LA SIERRA COLLEGE BULLETIN

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Summer Session	Director of Summer Session

LA SIERRA COLLEGE BULLETIN

Arlington, California

VOL. XXXVIII APRIL 15, 1959 No. 2

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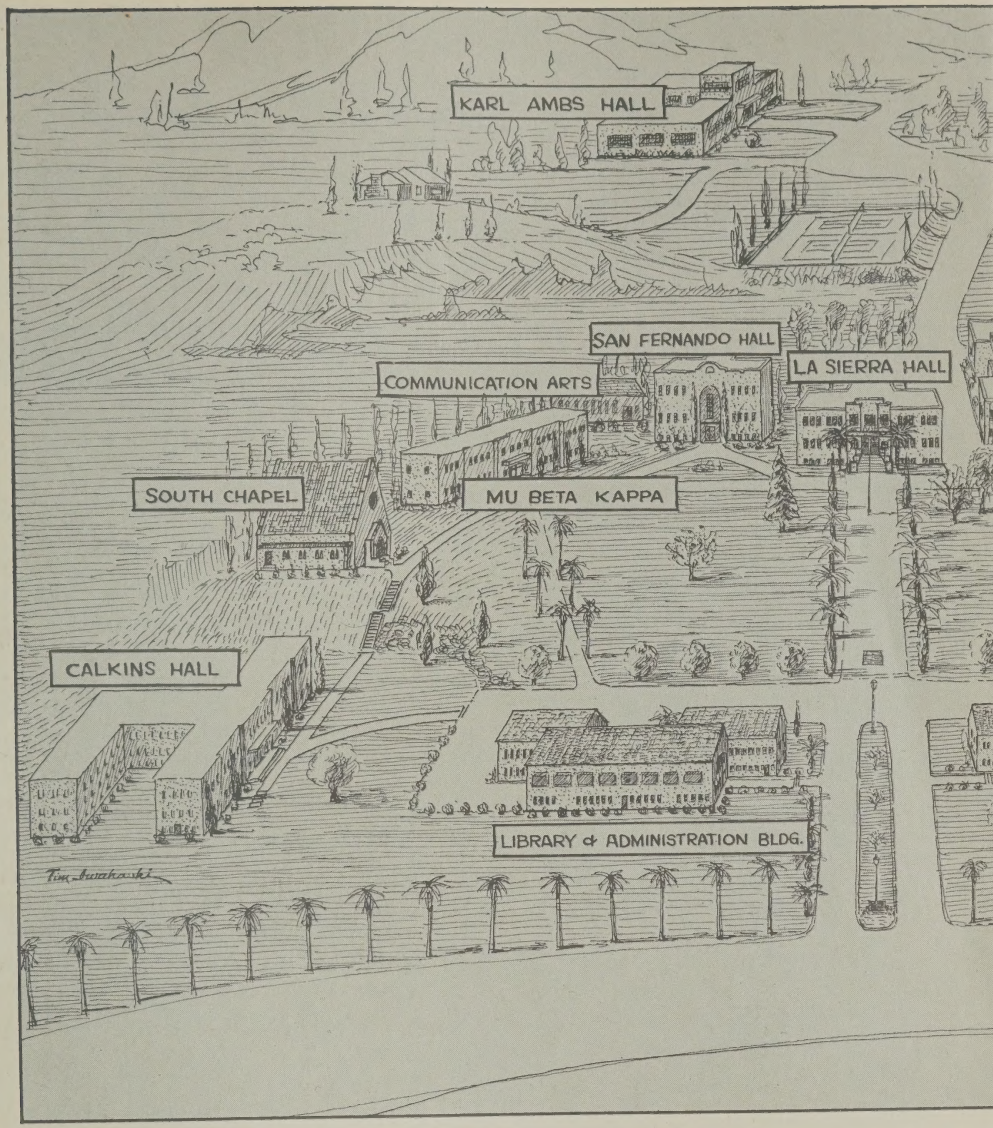
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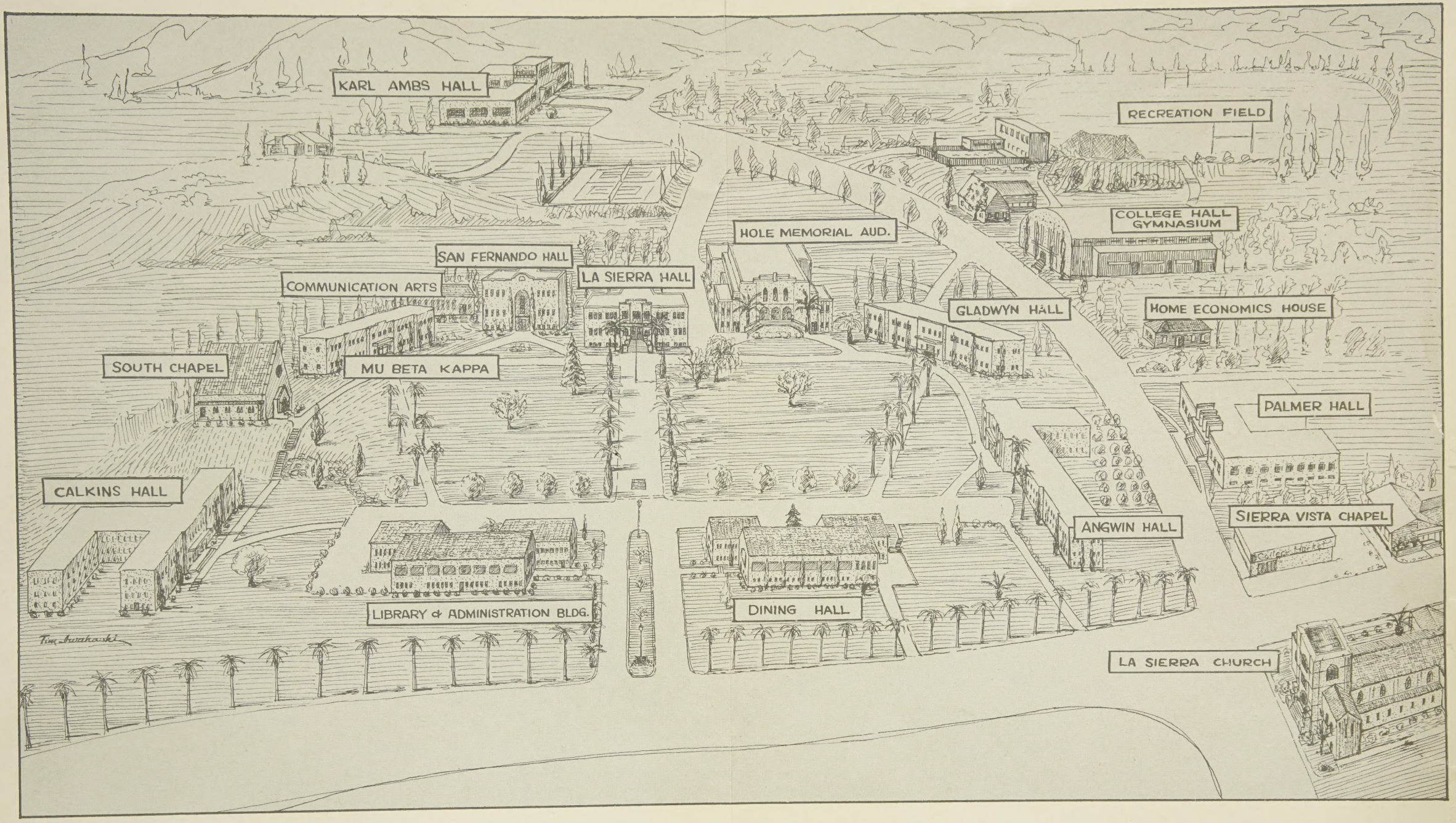
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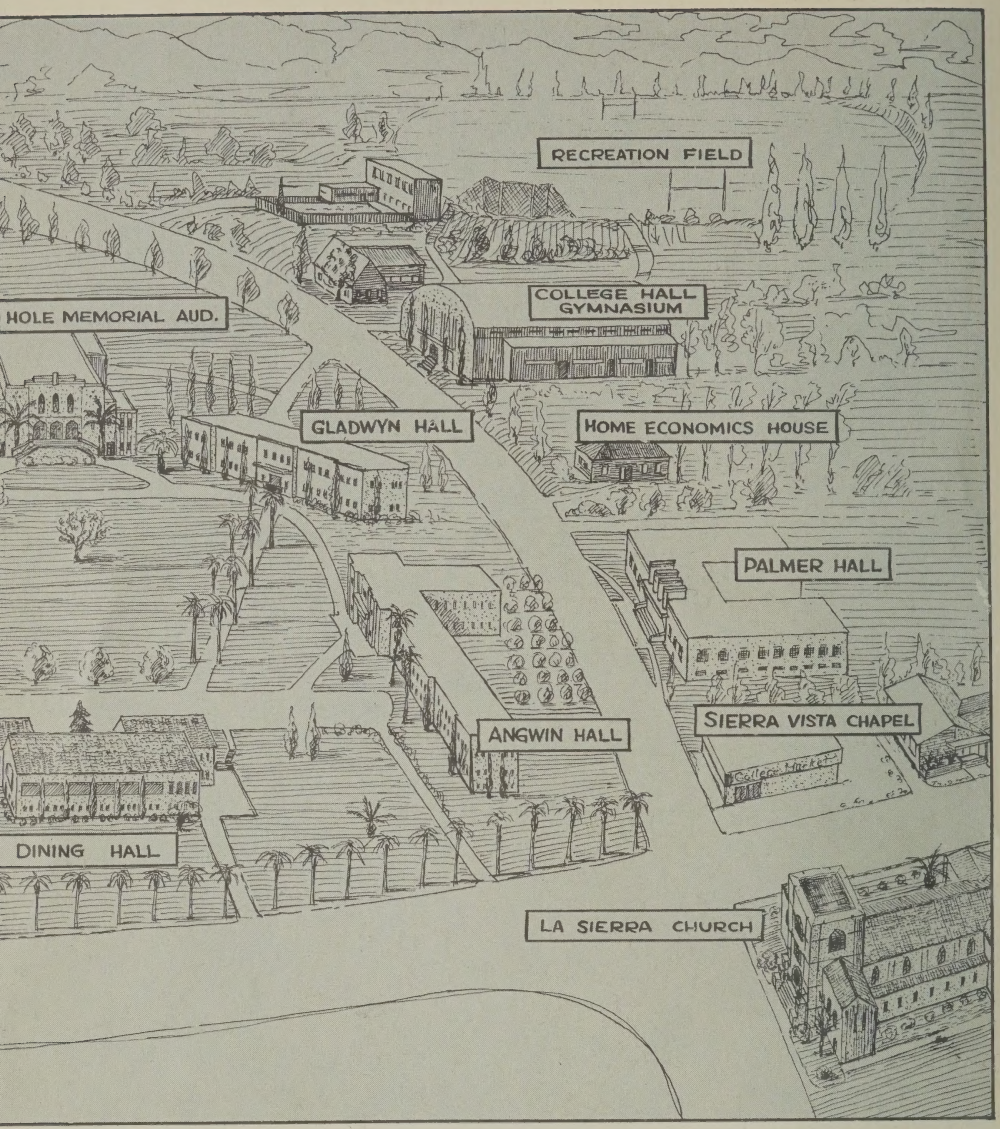
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GLADWYN HALL
HOME ECONOMICS HOUSE
PALMER HALL
SIERRA VISTA CHAPEL
ANGWIN HALL
DINING HALL
LA SIERRA CHURCH

Annual Catalog

1959-1960

LA SIERRA COLLEGE

Arlington, California

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AUGUST

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Note: The last day of each month is the end of a financial period. Accounts are due within ten days.

CALENDAR OF EVENTS

1959 - 1960

SUMMER SESSION 1959

Eight-week Term Registration ..... June 14
Instruction Begins ..... June 15

Six-week Term Registration ..... June 28
Instruction Begins ..... June 29

Six- and Eight-week Terms Close ..... August 7

A few classes calling for ten weeks of residence, June 14 to August 21.

FIRST SEMESTER

Freshman Welcome and Orientation Day
(Attendance Required) ..... September 21

Freshman Registration ..... September 22

Registration (Non-Freshman) ..... September 23

Instruction Begins ..... September 24

Founder's Day ..... October 3

Autumn Week of Prayer ..... October 30 - November 7

Mid-Semester Examinations ..... November 11-17

Autumn Recess ..... 1:00 p.m., November 25
to 9:30 p.m., November 29

Winter Recess ..... 5:00 p.m., December 22
to 9:30 p.m., January 3

First Semester Examinations ..... January 31 - February 5

SECOND SEMESTER

Second Semester Registration ..... February 7, 8

Second Semester Instruction Begins ..... (Tuesday) February 9

College Day ..... (Wednesday) March 9

Spring Week of Prayer ..... March 11-19

Mid-Semester Examinations ..... March 24-29

Spring Recess ..... 1:00 p.m., March 30
to 9:30 p.m., April 3

Second Semester Examinations ..... May 29 - June 3

Consecration Service ..... June 3

Baccalaureate ..... June 4

Commencement ..... June 5

BOARD OF TRUSTEES

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Glendale, California

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Arlington, California

ROBERT H. HERVIG, *Treasurer*
Arlington, California

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Loma Linda, California

W. E. ANDERSON
Angwin, California

ROY C. BAKER
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R. R. BIETZ
Glendale, California

W. J. BLACKER
Glendale, California

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R. W. FOWLER
Angwin, California

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Reno, Nevada

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Glendale, California

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Phoenix, Arizona

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San Jose, California

W. D. WALTON
Sanitarium, California

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D. V. COWIN, Box 1470, Reno, Nevada
E. F. HEIM, P. O. Box 580, San Jose 6, California
J. F. KNIPSCHILD, JR., Box 969, Glendale 5, California
L. A. PETERSON, Box 10097, Phoenix, Arizona
P. G. WIPPERMAN, Box 149, Oakland 4, California
EARL WRIGHT, Box 4037, Honolulu 46, T. H.

CAMPUS ADMINISTRATION

OFFICERS OF ADMINISTRATION

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Ronald D. Drayson, Ph.D., *Dean of the College*
George H. Akers, M.A., *Dean of Students*
Robert H. Hervig, M.Bus.Adm., *Business Manager*
Willeta Carlsen, B.S., *Registrar*
Joseph W. Bielicki, B.S., *Dean of Men*
Dorothy Dixon, B.S., *Dean of Women*
D. Glenn Hilts, B.S. in L.S., M.A., *Librarian*

Thomas A. Little, Ph.D., *Dean of the College, Emeritus*

ASSOCIATES IN ADMINISTRATION

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Earl Gillespie, B.A., *Business Office Manager*
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Pauline Koorenny, M.A., *Secretary of Admissions*
Edward W. Matheson, *Assistant Dean of Men*
Janice Butzbach, B.A., *Assistant Dean of Women*
Janet Jacobs, B.A., *Assistant to Dean of Students*
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Elmer H. Olson, M.D., *Staff Physician*
Glennis Burke, B.S., R.N., *Director of Health Service*

OFFCERS OF AUXILIARY ACTIVITIES

Don Anderson, *Superintendent of College Press*
George E. Brand, *Buildings Custodian*
John Clough, *Superintendent of Maintenance*
G. Clarence Ferguson, *Superintendent of Grounds*
Leora B. Ferguson, *Superintendent of College Laundry*
*Frank Judson, *Superintendent of College Farm*
G. A. Houck, *Acting Superintendent of College Farm*
Hugh A. Marlin, *Superintendent of College Store*
William M. Tasker, *Superintendent of Construction*

*On leave, 1959-60.

FACULTY COMMITTEES 1959-1960

(In each instance the name of the chairman appears first.)

President's Council

N. F. Pease, W. J. Airey, Willeta Carlsen, Dean of Students, R. D. Drayson, H. R. Emmerson, H. B. Hannum, R. H. Hervig, D. G. Hilts, Margarete Hilts, Irene Ortner, Public Relations Director, James Riggs, G. T. Simpson, W. F. Specht.

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Admissions Committee

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Curriculum Committee

Dean of the College, registrar, heads of the departments, and librarian.

Committee on Student Affairs

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Religious Activities Committee

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Library Committee

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INSTRUCTIONAL STAFF

WILFRED J. AIREY, Ph.D. *Professor of History*
B.A., Walla Walla College; M.A. and Ph.D., University of Washington. *La Sierra College,* 1941-

MAXINE ATTEBERRY, M.S., R.N. *Professor of Professional Nursing*
(Dean, School of Nursing, College of Medical Evangelists)
B.S., Pacific Union College; M.S., University of Southern California.

PERRY BEACH, Ph.D. *Professor of Piano and Theory*
B.S., University of Nebraska; M.A. and Ph.D., Eastman School of Music. *La Sierra College,* 1957-

LESTER H. CUSHMAN, M.S. *Professor of Mathematics*
B.A., Pacific Union College; M.S., University of Southern California. *La Sierra College,* 1930-

LLOYD E. DOWNS, Ph.D. *Professor of Biology*
B.A., Pacific Union College; M.A., Pacific Union College; Ph.D., University of Southern California. *La Sierra College,* 1944-

HAROLD B. HANNUM, M.Mus. *Professor of Organ and Theory*
B.A., Washington Missionary College; Teacher's Certificate (piano), Peabody Conservatory; Associate of the American Guild of Organists; M.Mus., Northwestern University. *La Sierra College,* 1944-

J. CECIL HAUSSLER, Ph.D. *Professor of Religion*
B.A., Walla Walla College; M.A., Occidental College; Ph.D. University of Southern California. *La Sierra College,* 1941-

MARGARETE AMBS HILTS, Ph.D. *Professor of Modern Languages*
B.A., Emmanuel Missionary College; M.A., University of Southern California; Ph.D., Western Reserve University; graduate work, Universidad Nacional de Mexico; La Sorbonne. *La Sierra College,* 1938-

MAYBEL JENSEN, M.A. *Professor of Elementary Teacher Education*
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*FRANK JUDSON, M.S. *Professor of Agriculture*
B.A., Madison College; M.S., University of Tennessee. *La Sierra College,* 1948-

RALPH L. KOORENNY, Ph.D. *Professor of Economics and Business Administration*
B.A., Walla Walla College; M.A., Washington State College; Ph.D., University of Colorado. *La Sierra College,* 1948-

WILLIAM LANDEEN, Ph.D. *Professor of History*
B.A., Walla Walla College; Ph.D., University of Michigan. *La Sierra College,* 1958-

WILLIAM D. LEECH, Ph.D. *Professor of Chemistry*
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THOMAS A. LITTLE, Ph.D. *Professor of English*
B.A., Washington Missionary College; M.A., University of North Carolina; Ph.D., University of Nebraska. *La Sierra College,* 1949-

* On leave, 1959-1960.

IRENE E. ORTNER, M.A. *Professor of Secretarial Science*

B.A., Atlantic Union College; M.A., Boston University; graduate work, University of Southern California; Certified Professional Secretary. *La Sierra College,* 1944-

DENTON E. REBOK, M.A. *Professor of Sociology*

B.A., Washington Missionary College; M.A., Columbia University. *La Sierra College,* 1957-

JAMES RIGGS, Ph.D. *Professor of Physics*

B.A., La Sierra College; M.S. and Ph.D., Agricultural and Mechanical College of Texas. *La Sierra College,* 1947-

GEORGE T. SIMPSON, Ed.D. *Professor of Education and Psychology*

B.A., Walla Walla College; M.A., University of Denver; Ed.D., Columbia University. *La Sierra College,* 1947-

WALTER F. SPECHT, Ph.D. *Professor of Biblical Languages and Religion*

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W. FLETCHER TARR, Ph.D. *Professor of Speech*

B.A., Pacific Union College; B.A., University of South Africa; M.A., Redlands University; Ph.D., University of Denver. *La Sierra College,* 1957-

*JULIAN L. THOMPSON, Ph.D. *Professor of Physics*

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MARY PHILMON BYERS, M.S. *Associate Professor of Home Economics*

B.S., School of Dietetics, College of Medical Evangelists; M.S. Columbia University. *La Sierra College,* 1954-

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B.F.A. in Music, Nebraska Wesleyan University; M.Mus., Redlands University. *La Sierra College,* 1939-

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* On leave, 1959-1961.

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B.Mus. and M.Mus., Northwestern University. *La Sierra College,* 1947-

FREDERICK G. HOYT, M.A. *Associate Professor of History and Political Science*
B.A., La Sierra College; M.A., Claremont Graduate School. *La Sierra College,* 1955-

LUELLA LATHAM KRETSCHMAR, M.S. *Associate Professor of Chemistry*
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MARY COLBY MONTEITH, M.A., R.N. *Associate Professor of Health Education*
B.S., Walla Walla College; M.A., University of Southern California. *La Sierra College,* 1958-

WILLIAM J. NAPIER, M.S. *Associate Professor of Physical Education*
B.A., Union College; M.S., University of Colorado. *La Sierra College,* 1950-

H. RAYMOND SHELDEN, M.S. *Associate Professor of Chemistry*
B.S., Emmanuel Missionary College; graduate work, Indiana University; M.S., University of Colorado. *La Sierra College,* 1948-

CHLOE ADAMS SOFSKY, B.A., M.F.A. *Associate Professor of Art*
B.A., Union College; B.F.A., University of Nebraska; M.F.A., Claremont Graduate School. *La Sierra College,* 1945-

ALFRED WALTERS, M.Mus. *Associate Professor of Violin*
B.S., Fredonia State Teachers College; M.Mus., Boston University; graduate work, Northwestern University. *La Sierra College,* 1947-

WILBER ALEXANDER, M.A. *Assistant Professor of Religion*
B.A., La Sierra College; M.A., Seventh-day Adventist Theological Seminary. *La Sierra College,* 1954-

H. ALLEN CRAW, M.Mus. *Assistant Professor of Piano and Theory*
B.A., Emmanuel Missionary College; M.Mus., North Texas State College; graduate work, Eastman School of Music and University of Southern California. *La Sierra College,* 1950-

*CHARLES CRIDER, M.A. *Assistant Professor of Sociology*
B.A., Emmanuel Missionary College; M.A., Seventh-day Adventist Theological Seminary; graduate work, University of Southern California. *La Sierra College,* 1959-

ROBERT HERVIG, M.B.A. *Assistant Professor of Business Administration*
B.A., Emmanuel Missionary College; M.B.A., Northwestern University. *La Sierra College,* 1941-43, 1957-

HERALD A. HABENICHT, M.A. *Assistant Professor of Agriculture*
B.S., Emmanuel Missionary College; M.A., University of Michigan. *La Sierra College,* 1955-

MAURICE HODGEN, M.A., Ed.D. *Assistant Professor of Secondary Education*
B.A., Pacific Union College; M.A. and Ed.D., Columbia University. *La Sierra College,* 1958-

G. A. HOUCK, M.S. *Assistant Professor of Agriculture*
B.S., Emmanuel Missionary College; M.S., Michigan State College. *La Sierra College,* 1956-

* On leave, 1959-1960.

EARL LATHROP, Ph.D. *Assistant Professor of Botany*
B.A. and M.A., Walla Walla College; Ph.D., University of Kansas. *La Sierra College,* 1957-

DONALD LEE, Ph.D. *Assistant Professor of Science Education and Physics*
B.A., Emmanuel Missionary College; M.A., Ohio State University; Ph.D., New York University. *La Sierra College,* 1959-

HELEN F. LITTLE, M.A. *Assistant Professor of English*
B.A., Union College; M.A., University of Nebraska. *La Sierra College,* 1950-

KALJO MAGI, M.A. *Assistant Professor of Modern Languages*
B.A., Atlantic Union College; M.A., New York University; graduate work, New York University. *La Sierra College,* 1958-

LAWRENCE E. MOBLEY, M.A. *Assistant Professor of English*
B.A., Emmanual Missionary College; M.A., University of Michigan; graduate work, Michigan State University. *La Sierra College,* 1952-

ROYAL SAGE, M.A., B.D. *Assistant Professor of Biblical Languages*
B.A., La Sierra College; M.A. and B.D., Seventh-day Adventist Theological Seminary. *La Sierra College,* 1956-

M. J. SORENSON, Ph.D. *Assistant Professor of Religion*
B.A., Union College; M.A. and Ph.D., University of Nebraska; graduate work, Seventh-day Adventist Theological Seminary. *La Sierra College,* 1959-

E. A. WIDMER, M.A. *Assistant Professor of Biology*
B.A., Union College; M.A., University of Colorado. *La Sierra College,* 1953-

GRACE DEJESUS CERDA ALVAREZ, M.A. *Instructor in Spanish*
B.A., Hunter College; M.A., Columbia University; graduate work, New York University and University of Southern California. *La Sierra College,* 1949-

J. W. BIELICKI, B.S. *Instructor in Physical Education*
B.S., Pennsylvania State University. *La Sierra College,* 1956-

FONDA CHAFFEE, M.S. *Instructor in Home Economics*
B.S. and M.S., College of Medical Evangelists. *La Sierra College,* 1956-

DONALD DICK, M.A. *Instructor in Speech*
B.A., Union College; M.A., University of Nebraska. *La Sierra College,* 1957-

JANET JACOBS, B.A. *Instructor in English*
B.A., Union College; graduate work, University of Illinois and Claremont Graduate School. *La Sierra College,* 1958-

*RICHARD C. LARSON, M.S. *Instructor in Business Administration*
B.S., La Sierra College; M.S., Michigan State University. *La Sierra College,* 1959-

EUGENE NASH, B.A. *Instructor in Band Instruments*
B.A., La Sierra College; graduate work, University of Southern California. *La Sierra College,* 1957-

* On leave, 1959-1960.

Barbara Real, B.S. *Instructor in Physical Education*
B.S., Walla Walla College. *La Sierra College,* 1959-

Yvonne Pasher Sonneland, B.S. *Instructor in Home Economics*
B.S., La Sierra College; graduate work, Oregon State College. *La Sierra College,* 1952-

Hazel Brebner Witthaus, B.A. *Instructor in English*
B.A., Union College; graduate work, Claremont Graduate School. *La Sierra College,* 1955-

Dorothy Dixon, B.S. *Assistant in Secretarial Science*
B.S., Union College. *La Sierra College,* 1956-

Virginia A. Mabley, B.A. *Assistant in Secretarial Science*
B.A., Walla Walla College. *La Sierra College,* 1956-

SUPERVISING TEACHERS IN SECONDARY EDUCATION

William G. Nelson, B.A. *Principal*
B.S., Union College; graduate work, University of Colorado and University of Denver. *La Sierra College,* 1958-

Grace DeJesus Cerda Alvarez, M.A. *Supervising Teacher in Spanish*
B.A., Hunter College; M.A., Columbia University; graduate work, New York University and University of Southern California. *La Sierra College,* 1949-

Blanche M. DeMerice, M.Ed. *Supervising Teacher in Typing*
B.A., Walla Walla College; M.Ed., University of Oregon. *La Sierra College,* 1958-

Reuben Hilde, M.A. *Supervising Teacher in Religion*
B.A., La Sierra College; M.A., Seventh-day Adventist Theological Seminary. *La Sierra College,* 1959-

Madalyn Lathrop, B.A. *Supervising Teacher in Home Arts*
B.A., Walla Walla College. *La Sierra College,* 1958-

Cora Lugenbeal, B.A. *Supervising Teacher in English*
B.A., Emmanuel Missionary College; graduate work, University of Southern California and Redlands University. *La Sierra College,* 1959-

Nellie Phillips, M.Bus.Ed. *Supervising Teacher in Business Education*
B.A., Union College; M.Bus.Ed., University of Colorado. *La Sierra College,* 1947-

Robert Schneider, B.A. *Supervising Teacher in Physical Education*
B.A., La Sierra College. *La Sierra College,* 1956-

Noel Shelton, B.Mus.Ed. *Supervising Teacher in Choral Music*
B.Mus.Ed., La Sierra College; graduate work, University of Southern California. *La Sierra College,* 1956-

Carl W. Specht, B.A. *Supervising Teacher Science and Mathematics*
B.A., Union College; graduate work, University of Colorado and Colorado State Teachers College. *La Sierra College,* 1959-

ROBERT WARNER, M.Mus. *Supervising Teacher in Band*
B.A., Iowa State Teachers College; M.Mus., Northwestern University. *La Sierra College,* 1952-

SUPERVISING TEACHERS IN ELEMENTARY EDUCATION

*T. HOWARD STOCKTON, M.Ed. *Principal, Elementary School*
B.A., Washington Missionary College; M.Ed., University of Maryland; graduate work, University of Southern California. *La Sierra College,* 1955-

*CLIFFORD ACKERMAN, B.A. *Supervising Teacher, Grades 5 and 6*
B.A., Walla Walla College; graduate work, Redlands University, Long Beach State College. *La Sierra College,* 1956-

*ISOBEL BUTLER, B.A. *Supervising Teacher, Grades 1 and 2*
B.A., Washington Missionary College; graduate work, Potomac University. *La Sierra College,* 1957-

RUTH COBLE *Supervising Teacher, Grade 3*
Walla Walla College, La Sierra College. *La Sierra College,* 1954-

*KATHRYN A. HABENICHT, B.A. *Supervising Teacher, Grade 5*
B.A., Emmanuel Missionary College; graduate work, University of California at Riverside. *La Sierra College,* 1957-

*ALBERT L. HOUCK, B.A. *Supervising Teacher, Grade 8*
B.A., Emmanuel Missionary College; graduate work, Claremont College. *La Sierra College,* 1958-

MAUDE PEARSON *Supervising Teacher, Grade 6*
Emmanuel Missionary College, University of California at Riverside, La Sierra College. *La Sierra College,* 1957-

*FRANK V. NOVELLO, M.A. *Supervising Teacher, Grade 7*
B.A., Atlantic Union College; M.A., Seventh-day Adventist Theological Seminary. *La Sierra College,* 1958-

ROLAND W. RHYNUS, M.A. *Supervising Teacher, Grade 8*
B.A., Atlantic Union College; M.A., New York University. *La Sierra College,* 1959-

ELEANOR RUE, M.A. *Supervising Teacher, Grade 7*
B.A., Walla Walla College; M.A., Columbia University. *La Sierra College,* 1959-

*BERNICE SQUIRE, B.S. *Supervising Teacher, Grades 3 and 4*
B.S., Pacific Union College; graduate work, University of California at Riverside, Pacific Union College. *La Sierra College,* 1956-

*HELEN R. SWENSON, B.S. *Supervising Teacher, Grade 4*
B.S., University of Denver; graduate work, Claremont College, Redlands University, Long Beach State College. *La Sierra College,* 1948-

*GENEVIEVE TOMLINSON, B.A. *Supervising Teacher, Grade 1*
B.A., Walla Walla College; graduate work, Long Beach State College. *La Sierra College,* 1954-

*MARY WOODWARD, B.A. *Supervising Teacher, Grade 2*
B.A., Pacific Union College; graduate work, University of Southern California, University of Nebraska. *La Sierra College,* 1947-

* Available for Supervisory Teaching, 1959-1960.

GENERAL INFORMATION

THE PHYSICAL PLANT

LOCATION AND ENVIRONMENT

La Sierra College is located ten miles southwest of the city of Riverside, fifty miles east of Los Angeles, and twenty miles southwest of Loma Linda. The college has easy access by bus, train, and paved highway to all famous cultural and educational centers of Southern California.

The college buildings are grouped on a gentle slope overlooking the Riverside valley, with its world famous citrus and walnut groves and palm-lined boulevards. During the winter months the snow-clad peaks of the Southern Sierras can be seen rising above the orange groves, a view of rare beauty from the campus.

BUILDINGS, EQUIPMENT, AND GROUNDS

The college plant consists of fourteen main buildings of similar architecture attractively grouped on the thirty-acre campus, and, in addition, a physical education building, three industrial buildings, and a general store. A quarter of a mile from the campus are the barns, stables, dairy, and creamery of the college farm.

The Administration Building and J. E. Fulton Memorial Library (built in 1946) contains the administrative and business offices of the college and the offices and classrooms of the Business Division. The library reading room has a seating capacity of 250 students. A reserve book reading room accommodates 50 students. The library is modern in its equipment and arrangement, including a librarian's office, work rooms, and two floors of fireproof stacks, with a total capacity of 80,000 volumes. The stack rooms are equipped with numerous carrells. A microfilm room is fitted with reading machines and storage cabinets. A collection of phonograph records and a player are available in the library.

La Sierra Hall (built in 1923) occupies a central position on the campus. It contains offices and classrooms of the Religion, Social Sciences, Education, and Language Divisions. On the ground floor are Associated Student Body offices, the Student Center, and Alumni Room.

San Fernando Hall (built in 1931) contains teachers' offices, classrooms, and laboratories of the Department of Physics and Mathematics.

Palmer Hall (built in 1952) houses the Biology and Chemistry departments. Built in a U-shape, the structure contains 30,000 square feet of space for classrooms, laboratories, offices, biology museum, and a branch library.

The Hole Memorial Auditorium Building (built in 1937) contains the music studios, a large practice hall, and numerous student practice rooms on the upper floor. The heart of the building

is the college chapel, containing the concert organ and seating 750. On the lower floor of this building is the Educational Center, including offices, classrooms, audio-visual laboratory, and another auditorium that seats 300. A second pipe organ is on this floor.

Ambs Hall (built in 1949) is the industrial arts building and contains teachers' offices, classrooms, and laboratories for courses in home economics, agriculture, wood trades, and drafting.

The Demonstration School (built in 1947), located northeast of the main campus, combines the functions of parochial school for the community and demonstration school for the Department of Elementary Education. There are thirteen classrooms and thirteen teachers' offices. Each classroom has space for activities. The construction is mainly of fireproof Latisteel.

Mu Beta Kappa (built in 1922), residence hall for men, is one of the two original buildings on the campus. In contains forty-two student rooms and the office and living quarters of the assistant dean of men.

Gladwyn Hall (built in 1922), residence hall for women, is the other original building, erected the first year of the school. It contains forty-three student rooms and the office and living quarters of the assistant dean of women.

Calkins Hall (built in 1938), residence hall for men, contains the office and living quarters for the dean of men, a dispensary, and sixty-six student rooms.

Angwin Hall (built in 1940), the newest residence hall for women, contains public rooms similar to those of Calkins Hall, office and living quarters of the dean of women, and eighty-five student rooms.

South Chapel (built in 1951), a new campus structure, is a place of worship for dormitory men. In addition to being used for morning and evening worship, the building is always open for private devotion. Of modified Gothic style, the building seats three hundred.

The Cafeteria (built in 1941) contains on the main floor a dining room seating four hundred, and a small dining room known as the Clubroom. On the lower floor are located the office and rooms of the Art Department, the kitchen, and the bakery.

College Hall (built in 1935), on Campus Drive, is the gymnasium and recreation center for the college.

The Industrial Buildings include the La Sierra College Press, the laundry, the college store, and a shop housing wood and metal working equipment and offices for industrial superintendents.

The Physical Education Building (built in 1946), also located on Campus Drive, adjoins the recreation field and is built around the swimming pool. The building contains shower and locker rooms, offices and classrooms.

The College Farm consists of some four hundred acres; two-thirds of it is under irrigation. Two deep wells equipped with turbine pumps furnish the water for irrigation and domestic purposes. The college has a dairy herd of about two hundred head, and a modern creamery and ice cream plant.

The Church (built in 1947), a beautiful house of worship for college and community, is located north of the campus on college property. It has a seating capacity of more than 2,200 in the main auditorium. A large church pipe organ was installed in the church in the spring of 1952.

The Secondary School, recently completed, is a modern unit with 18,000 square feet of space. Built in a U-shape, the building contains classrooms, 8 teachers' offices, laboratories for home economics and chemistry, a chapel seating 300, a library, administrative offices, and various work and storage rooms.

HISTORY AND STANDING

HISTORY

On October 3, 1922, La Sierra opened its doors as the academy of the Southeastern California Conference of Seventh-day Adventists. It was the purpose of the founders to provide educational facilities with a denominational stamp and according to the denominational blueprint. These principles call for a rural setting and instruction by Christian teachers in the arts and sciences of living and service. Each student is required to gain some experience in the area of applied arts, and encouragement is given to work experience on the campus. From the beginning the school has been coeducational.

The first college work in teacher training was offered in 1923, and the school acquired the name La Sierra Academy and Normal School. In 1927 the school was raised to the junior college level, and the name was changed to the Southern California Junior College. In 1938 the Northwest Association of Secondary and Higher Schools accredited the college for fifteen grades of work. Within a few months the college became a full sixteen-grade institution, and the California Legislature approved a new charter, changing the name to La Sierra College and authorizing the granting of degrees.

ACCREDITATION

La Sierra College is credited as a college of liberal arts by the Western College Association, and by the Northwest Association of Secondary and Higher Schools. It is accredited by the State Department of Education of California to prepare students for elementary education teaching certification.

MEMBERSHIPS

In addition to membership in the accrediting organizations listed above, the college is a member of the Association of Seventh-day Adventist Colleges and Secondary Schools, the American Council on Education, and the Association of American Colleges.

GENERAL AIMS AND OBJECTIVES

La Sierra is a coeducational Christian school. As a liberal arts college it seeks to aid the student in the development of a sound mind in a sound body, to help him to achieve that degree of mental proficiency which will enable him to work efficiently, and to train him to a degree of social competence which will make him a responsible and effective member of society. As a Christian school, the college is concerned with the spiritual welfare of its students, with the development of ideals, of character, and of behavior patterns in harmony with the Biblical specifications of a man of God. The philosophy of education to which the college subscribes is well stated in the words of one of the founders of the Seventh-day Adventist denomination: "Education is but the preparation of the physical, intellectual, and moral powers for the best performance of all the duties of life."

STATEMENT OF OBJECTIVES

In harmony with the conception of education described above, the objectives of the college are defined as follows:

1. *Intellectual Objectives.* The college seeks to develop in its students the ability to do independent and creative thinking and to cultivate in them an acquaintance with the basic facts and principles of the major fields of knowledge, together with a more specialized mastery of one of these fields. Students are expected to develop effective expression in written and spoken English, to acquire an attitude of open-minded consideration of controversial questions, and to develop a continuing intellectual curiosity which will extend through their post-college years.

2. *Spiritual Objectives.* As a church-sponsored institution, La Sierra places large emphasis upon the place of religion in the personal lives of the students. It seeks to establish in the students an unswerving allegiance to the principles of the Christian faith, and a sense of personal responsibility to participate in the mission program of the church. Students are encouraged to develop a distinctly Christian philosophy of life as the basis for the solution of both personal and social problems

3. *Ethical Objectives.* The college endeavors to lead students to the acceptance and practice of those ethical and moral concepts which are approved by the enlightened conscience of mankind, to develop tolerance toward the rights and opinions of others, and to accept the social obligation of serving humanity and striving for its welfare.

4. *Social Objectives.* The social program is designed to guide students in the development of attractive personalities which will find ready acceptance in a sound social order and which lead to enthusiastic participation in its activities. Students are encouraged to develop an understanding and consistent practice of approved social graces and to participate in recreational activities which contribute to a well-balanced personality.

5. *Aesthetic Objectives.* The college seeks to develop in students an acquaintance with the masterpieces in literature and the fine arts, a knowledge of their historical development, an appreciation of the standards and type of beauty represented by them, and proficiency in their creation and presentation.

6. *Civic Objectives.* The college endeavors to give its students an intelligent understanding of the principles of government and to develop in them a willingness to accept the responsibilities and privileges of citizenship, a recognition of the constitutional rights of other individuals and social groups, a well-founded understanding of the leading domestic and international principles, and a willingness to operate in bringing about the improvement of the social order.

7. *Physical Objectives.* The physical education program is designed to give students an intelligent understanding of the principles governing the function and proper care of the body. It seeks also to establish in students a consistent observance of habits and practices which foster maximum physical vitality and health. Emphasis is placed on intelligent recreational use of leisure time and on cooperation with others in the improvement of the physical well-being of society.

8. *Vocational Objectives.* The applied arts program is planned to develop in students an appreciation of the dignity of labor and to give the requisite knowledge and understanding to enable them to choose their vocations intelligently and in harmony with their individual abilities and aptitudes. Also offered is preprofessional training prerequisite to specialized professional and graduate studies.

EDUCATIVE FUNCTION OF WORK

In harmony with the traditional educational theories and practices of the Seventh-day Adventist denomination, La Sierra College provides in balanced degree pertinent manual work experience for its students. This is in the form of paid hour-time for work in the offices, on the grounds, in the dining hall, in the maintenance departments and other auxiliary enterprises as self-help employment and on-the-job supervised training.

It should be emphasized that the main value of this work is not financial or industrial but vocational and educational. The work superintendents are regarded as key training men on the staff. The students learn or perfect skills; they establish relationships between their studies and the society in which they live; they get broadened viewpoints; they develop dependability and resourcefulness. It is aimed that the graduates will be prepared to go (as many of them do) into mission areas of the world and cope first-hand with the basic problems and materials of existence.

The intent of the management of the college is that the manual work experience of the students shall blend with the Applied Arts requirement as indicated under "Basic Distribution" (pages 35-36) in helping each student to be a "whole man" with practical awareness of his environment and its primary demands and blessings.

CONDUCT STANDARDS AND CONTROL

It is the purpose of the college to develop strong men and women with the high standards of scholarship and the self-discipline necessary for Christian leadership. The campus government and discipline, therefore, are founded upon the principle that character building is the highest object of education and that a good name, standing for integrity, honor, and godliness, is the objective alike of the student for himself and of the college for him.

REGULATIONS

No religious test is applied, but all students are expected to give respect to the Word of God, to attend religious services, and to abide by the regulations of the college as listed in the student handbook (supplied on request or when the student is notified of his acceptance), or as announced by the faculty. The regulations at La Sierra College have developed from the experience of students and teachers. Each rule and traditional practice is a guidepost directing the student to successful and effective campus living, left there by those who have gone before. *Application and enrollment constitute on the part of the student an agreement and a pledge to honor and observe the habits, manners, and regulations prevailing in the college.*

As the college retains to itself complete freedom of judgment in the admission of a student, so also it must be the sole arbiter of the fitness of the student to continue his residence and study in the school. Any student who does not maintain a satisfactory level of scholarship or who, in the judgment of the faculty or its properly authorized committees, is found to be unresponsive or uncooperative in his relation to the objectives of the college, or unfaithful to his pledge, may be deprived of membership without specific charges.

DEGREES OF DISCIPLINE

Disciplinary actions of the administration and faculty normally follow a pattern based on the seriousness of the infraction of college regulations. These are classed as follows:

Warning: Cautionary admonition (not a matter of permanent record) usually given verbally by the dean to whom the student is responsible.

Censure: Reproof for an infraction of serious magnitude, which becomes a part of a student's record.

Probation: Disciplinary status indicating that a student may be dismissed without further committee action for continued misconduct.

Suspension: Exclusion from the college for a limited period.

Termination at end of semester: Actual dismissal but with permission to complete courses in progress provided the semester is relatively near its close and provided the student's conduct is acceptable during the interim.

Dismissal: Immediate exclusion from the college for an indefinite period.

STUDENT PERSONNEL SERVICE

ORIENTATION

All new students are required to attend the program of orientation which precedes registration each year. This program is conducted to familiarize the student with the traditions, ideals, policies, ethics, and regulations of the college. In return, the college endeavors to become better acquainted with the new students so that its personnel may give wise guidance to each enrolee.

GUIDANCE

The dean of students administers the guidance program of the college. This program takes into account the student's preparatory school record, his college entrance tests, and his own needs. For purposes of personal counseling relative to choice of vocation, scholarship, discipline, and other individualized interests and problems, each student is invited to select a personal counselor from the faculty. This counselor may or may not be the student's assigned curriculum adviser.

PLACEMENT

One of the services of the student personnel program of the college is help toward the appointment of its graduates to positions for which they have prepared. This service to seniors and alumni is maintained without fee or commission. The placement office keeps credentials of the graduates and on request transmits copies of the student's record and recommendations to prospective employers.

RESIDENCE

The greatest profit and enjoyment and the greatest opportunity for full participation in the spiritual, scholastic, and social activities of the college undoubtedly come to the students who live on the campus. Therefore, all unmarried students who do not reside with their parents, close relatives, or legal guardians are expected to live in the residence halls on the campus.

Exceptions are occasionally made for mature and trustworthy students who may, on written request, be given permission to work in approved private homes for their entire room and board.

For information as to room furnishings to be supplied by the student, see the student Handbook.

HEALTH SERVICE

It is the purpose of the college to encourage the development of the physical powers as well as the mental and spiritual. The health service is under the direction of a registered resident nurse presiding over well-equipped medical units.

Believing that diet plays an important role in the preservation of health, the college maintains a cafeteria where wholesome food is served and where an effort is made to educate the students in the selection of balanced meals.

PHYSICAL EDUCATION PROGRAM

In addition to providing the health service, the college gives attention to physical fitness through recreational opportunities and through courses designed to strengthen and develop the body. These courses include gymnastics and field exercises, swimming for life-saving as well as for health, body-building recreational activities, and instruction in healthful living.

Since so many college students leave school to follow a sedentary profession, one which usually does not continue body-building and may involve considerable strain on the physical and nervous system, an attempt is made to interest each student in some health-building activity which he will carry over into adult life.

CAMPUS ORGANIZATIONS

Opportunities are offered for growth and experience which leadership in student organizations affords. All campus clubs are governed by a constitution or set of by-laws which have been approved by the college personnel committee.

The Associated Student Body provides for the cultural, recreational, and spiritual activity of the college, and furnishes a point of contact between faculty and students. All students become members of this organization upon registration.

The Missionary Volunteer Society is designed to give opportunity for student expression of Christian ideals. Bands for those interested in medical missionary work, missionary correspondence, literature distribution, and Christian help work are under the direction of this organization.

The Ministerial Fellowship is an organization primarily for those men and women who plan to be gospel workers and who wish to begin their service while in college.

The La Sierra College Chapter of the American Temperance Society is an organization active in combating the liquor and tobacco traffic and in presenting temperance principles to the world. The society is open to everyone interested.

Sigma Phi Kappa is a club whose objectives are to encourage an expression of individual ideas and to promote social development among the women of the college.

Mu Beta Kappa is an organization for the promotion of good will and general culture among the men students.

The Arts and Letters Guild is designed to cultivate a greater appreciation of the finer things of life and to provide opportunity for entertaining study of the literary and graphic fine arts. The guild offers opportunity to those thus interested to gather periodically in an informal way for mutual enjoyment.

The La Sierra College Biology Club aims to further the interests of all students of biology; to unify and promote good fellowship with those who desire personal enrichment through its activities; to engender a love for the wholesomeness of personal contact with the out-of-doors. Membership is open to all biology majors and minors. Others interested may become associate members by invitation.

The College Commercial Club objectives are to foster a spirit of friendliness and cooperation among commercial students, to aid in training for leadership, and to present current developments and problems in business life. The club meetings are divided equally between social and educational activities.

The Filomena Club is open to all preclinical nursing students. Its aim is to foster an interest in nursing and to acquaint the student with some of the trends and current problems in her chosen field.

The International Relations Club is open to college men and women wishing to participate in study and discussion of the social, religious, and political interrelations of the nations in today's world. The club is a local chapter of an organization sponsored by the Carnegie Endowment for International Peace.

Lambda Rho Upsilon endeavors to foster extracurricular interest in the things and aims of chemistry. Membership is open by invitation to students who elect to major in chemistry. Juniors and seniors qualify for active membership, and students below junior standing qualify for associate membership.

Le Cercle Francais aims to foster an interest in France and its culture. Although this club is organized primarily for students in the French department, others who are interested in the French language or in French culture are invited to join.

Deutscher Verein is a club designed to create among the students of German an interest in and understanding of the German people, their culture, and their contribution to the world's heritage in the field of language, literature, music, and science.

The Physics Club has for its purpose the fostering of interest in physics and its applications in all fields of human activity. Membership is limited to physics majors and minors. Others who have a special interest in this field may become associate members by invitation. Facilities of the physics laboratory and shop are made available for project work sponsored by the club.

The Teachers of Tomorrow organization is a laboratory school for the enrichment of preprofessional experience in educational thought, leadership, and service. The organization provides an opportunity for future teachers to gain a practical knowledge and appreciation of their chosen profession, its purposes, its possibilities, its problems, and its leaders. This club was the first of its kind to be organized within the General Conference Educational Department, and the name originated on the La Sierra campus.

The Guild Student Group of the American Guild of Organists has been authorized at La Sierra College by the national headquarters in New York. Its purpose is to promote good church music and to develop an interest in the work of the American Guild of Organists.

The Colporteur Club promotes interest in colporteur evangelism. All students interested in the aims of this organization are eligible for membership.

The Photography Club, with its membership composed of those with some experience and much interest in things photographic, serves the double purpose of providing a hobby activity and making permanent pictorial records of important events of the school year.

The Radio Club has for its purpose the increasing of knowledge and skill in short wave communication. The club maintains transmitting and receiving equipment for the use of its members.

PUBLICATIONS

The College Criterion. The college weekly newspaper is written and edited by students and is the official publication of the Associated Student Body.

The Meteor. The yearbook is also written and edited by the students. Its purpose is to present a picture and story of campus life at La Sierra College.

La Sierra College Bulletin. The Bulletin is published at stated times during the year, giving information about the college, its departments, plans, and work. The catalog issue, an annual number, shows the organization of the college, course offerings, financial information, board members, faculty, other staff members, and the most recent graduating class.

MISCELLANEOUS INFORMATION

THE SUMMER SCHOOL

The college conducts a summer session divided into terms of ten, six, and four weeks. For information write to the dean of the college for the summer session Bulletin.

THE PREPARATORY SCHOOL

The college has connected with it a fully accredited academy, or preparatory school. For information write for the Bulletin of La Sierra College Preparatory School.

ALUMNI ASSOCIATION

The purpose of the La Sierra College Alumni Association is to promote a spirit of fraternity among the alumni and to maintain their interest in the college.

ACADEMIC STANDARDS

SCHOLASTIC ORGANIZATION

The college has arranged its studies into two general levels:

A. The lower biennium, for freshmen and sophomores, is designed to lay foundations and to survey the principal areas of knowledge.

B. The upper biennium, for juniors and seniors, is designed to build men and women of intellectual maturity prepared for service in community and church affairs, and to provide concentrated study in the student's chosen profession.

The college also offers a number of semiprofessional and preprofessional curriculums designed to serve the needs of students going into the professions of medicine, medical technology, physical therapy, dentistry, dental hygiene, dietetics, nursing, engineering, law, and those preparing for careers in business and teaching.

Those who successfully complete the designated four-year curriculum, incidentally meeting the graduation requirements of the college, are granted the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Music Education.

ADMISSION

APPLICATION PROCEDURE

La Sierra College follows a policy of selective admission. The chief factors considered in determining eligibility are: (1) character, (2) citizenship reputation, (3) scholarship. Formal application is made on blanks supplied by the college, accompanied by a fee of $5 and a picture of the applicant. This application should be on file at the college at least thirty days before the student desires to enter. *Under no circumstances should a student come to the college before formal notice of acceptance by the Admissions Committee.*

The applicant should request the registrar of the school last attended to submit directly to the Registrar's Office at La Sierra College an official transcript of record indicating all previous secondary school and college work. It is the responsibility of the applicant to see that such credentials are sent to La Sierra College at the time application is made. Students whose transcripts are, for acceptable reasons, not on file at the time of registration may be given a tentative schedule for a period not to exceed fifteen days, pending receipt of transcript.

All correspondence concerning admissions should be addressed to the Admissions Office, La Sierra College, Arlington, California.

When a student who plans to live in one of the residence halls receives notice of acceptance, he should send $10 for a room deposit, as *notice of acceptance does not automatically reserve a room in the school homes.* When the student registers, the room deposit is applied on his entrance charges.

ADMISSION PROCEDURES

ADMISSION TO FRESHMAN STANDING

Graduates of accredited secondary schools may be admitted as regular college students upon presentation of an official transcript certifying completion of 16 units with an average grade no lower than C (where the passing grades are A, B, C, D).

Although the pattern of subjects required for entrance is not rigidly prescribed, it is recommended that the prospective college student give primary emphasis in his high school program to the subjects which are considered especially valuable as preparation for enrollment in a liberal arts college, with particular attention to the prerequisites of the field in which he intends to concentrate.

ADMISSION BY EXAMINATION

Graduates of unaccredited secondary schools, or graduates who, through no fault of their own, are unable to furnish complete credits may qualify for freshman standing by passing such examinations as the Academic Standards Committee shall determine. These examinations should be taken before the student completes his registration.

PROVISIONAL ADMISSION

Applicants who in the opinion of the Committee on Admissions are qualified to carry college work but who do not fulfil the specified pattern for regular admission may be admitted subject to advisement regarding their proposed curriculum. Entrance deficiencies must be removed or provided for before the close of the first year of college registration.

ADMISSION TO ADVANCED STANDING

A transfer student wishing advanced standing must present to the registrar an official transcript of record and a certificate of honorable dismissal from a school of recognized collegiate rank. He must have a grade average of at least C in acceptable liberal arts credits. Advanced standing is provisional for the first semester in residence. During this semester the student must maintain an average grade of at least C in order to achieve full standing.

No portion of any previous college record may be omitted by the student applying at La Sierra College for advanced standing, and any subsequent work taken at a college or university other than La Sierra must likewise be reported to the registrar here by official transcript should the student re-enter La Sierra College.

ADMISSION TO VETERANS

Veterans' applications are considered on the same basis as those of other students. Since many service units have only a temporary life, it is the responsibility of the veteran to have and present official certificates describing any service-connected education for which college credit is desired. Such credit will be allowed on the basis of

recommendations found in the *Guide* of the American Council on Education, or in the recommendations of the California Committee. All requests for the evaluation of service-connected education credits should be addressed to the registrar of the college.

CLASSIFICATION OF STUDENTS

CLASS LEVELS

Students at La Sierra College are designated in academic rank according to this pattern:

LOWER DIVISION

Freshmen: those having completed less than 28 semester hours.

Sophomores: those who have completed a minimum of 28 applicable hours and have a minimum grade average of C.

UPPER DIVISION

Juniors: those who have completed at least 60 applicable hours and have a minimum grade average of C.

Seniors: those who lack no more than 36 hours of qualifying for graduation and have a minimum grade average of C. Students in this category may (and normally should) file application with the registrar for degree candidacy.

A student classified as a junior at the beginning of a year may be reclassified as a senior in the second semester provided he has a reasonable possibility and intention of completing graduation requirements in the next summer session.

A sophomore who has completed 50 to 59 hours and has a satisfactory grade record, may be allowed to take a limited program of upper division work provided he has all lower division specified hours completed or in current registration.

College seniors will not be given credit for freshman courses taken in the senior year even though they are required. All such courses must be taken before the student reaches senior standing.

POSTGRADUATES

Students who already hold a Bachelor's degree and are now enrolled to complete other desired academic work.

SPECIAL STUDENTS

Students who are beyond the usual age of degree candidates may be permitted to enroll, with the permission of the dean of the college and the instructors concerned, in certain classes for which they have adequate preparation. This arrangement is designed to accommodate mature adults who qualify for college entrance but have some immediate educational objective not related to a degree program. Students who wish to take only a limited amount of music may be classified as special students.

ACADEMIC REGULATIONS AND PRACTICES

REGISTRATION

The college has appointed two Welcome Days at the opening of the year for freshmen. The purpose of these days is to introduce the freshman to school life and to help him plan his program. Attendance of all freshman students is required, the only exception being those students who have attended La Sierra College a year but who do not have sufficient credits for sophomore standing. During Welcome Days certain required tests are administered to the freshmen, the results of which aid the advisers in their work of counseling and registering the students.

Other students are expected to be present for the regular registration days, which immediately follow freshman registration. There is a fee for registration completed after regularly announced registration days — $3 for up to two weeks late, and $5 after the first two weeks.

Regular registration is permitted for the first two weeks of the winter semester and for the first three days of the summer sessions. Students wishing to enter later must meet the following stipulations: (1) secure permission from the dean of the college; (2) pay the late registration fee as indicated above; (3) submit to a reduction of class load by one credit hour for each week they are late, including the first two; (4) make up the work missed in the classes to which they are admitted. Such limited registration is allowable only in instances where the student has been hindered by genuinely emergency conditions and then only in classes where making up the missed work is feasible on tutorial or conference basis with appropriate written evidence of required achievement. Counting from the opening of the semester, no student will be accepted for regular class work after four weeks of the semester or three days of the summer sessions.

ENTRANCE APTITUDE AND PLACEMENT TESTS

Freshman and students new to La Sierra College for whom aptitude and placement scores are not available are required to take tests that provide such scores before they register. The tests are to be taken on designated days. The college reserves the right to control the scholastic program of the student on the strength of the test returns, as checked against his scholastic record.

All lower division students entering La Sierra College for the first time and all other students who do not have credit in Freshman English from some other college are required to take the English Placement Test. The purpose of this examination is to test the student's ability to write the English language acceptably, demonstrating a knowledge of spelling, grammar, punctuation, and sentence structure. Students who are low on the English Placement Test will be required to enroll in course English OA, Functional Grammar and Language Elements, and to pass a satisfactory examination in the subject before being eligible for Freshman English 1-2.

CLASS LOAD CONTROL

No student will be permitted to take more than 16 semester hours and one-half hour of physical education except by petition. Permission may be granted for 17 semester hours and one-half hour of physical education only if the student has maintained during the preceding semester of residence a minimum grade point average of 2.5; or 18 semester hours and one-half hour of physical education with a minimum grade point average of 3.0. The student will be asked to lessen his class load during the semester if he does not maintain a grade point average of at least 2.0. Under no circumstances does the college permit a student to carry more than 18 semester hours and one-half hour of physical education.

Any student working at self-help employment as much as twenty hours per week doubtless will need to curtail his normal study list. A student who feels that he must work in excess of sixteen hours per week should consult the dean of students and other appropriate registration advisers, who will examine the student's grade record and learning competence before deciding upon the permissible study load of the student.

SCHOLARSHIP PROBATION

A student not maintaining at periodic checking times a grade point average of 2.0 is liable to scholarship probation. This means that his scholastic schedule and habits are subject to review by his counsellor, the dean of students, and the dean of the college. He may be called upon to reduce his class-hour load, curtail extracurricular activities, improve study methods, or be advised to change his curriculum, or be put under the restrictions that accompany scholastic probation. A student on scholarship probation for two consecutive semesters may be notified, depending upon the evidence of improvement as shown in his most recent semester and degree of his delinquency, that his registration at this college is not profitable to him. A student who has been dropped from registration because of this policy may be readmitted only when there is evidence that the cause of the poor scholarship has been removed. By advisement and administration, the college uses every means at its command to help students do their best work and realize their ambitions.

PROGRAM CHANGES

A student already enrolled may change his program of studies for sound academic reasons during the first week of a regular semester with the consent of the instructor, the adviser, and the dean of the college. Courses may be dropped during the first six weeks on the same basis, although a $1 charge is made for a change after the first two weeks. After the first six weeks of a semester, courses dropped will be recorded as failures (Wf) unless the student is forced to drop because of circumstances beyond his control and unless his grade was passing at the time of withdrawal.

STUDIES FOR HONORS

The Honors Program at La Sierra College is designed to encourage the more competent and diligent students to put their full powers under stress and then to experience the consequent satisfactions of expanding independent scholarship.

An Honors Committee is appointed by the faculty to maintain standards and supervise the Honors Program at this institution. A brochure giving complete working details of the plan can be had from department chairmen or from any member of the Honors Committee.

The students who elect to study for honors work on assigned projects and individual explorations. They have conferences with their teachers on their research findings and general achievement in areas extended far beyond the regular content of classes in which they already have earned or are earning grades of B or better.

ELIGIBILITY

The program is restricted to those who have B or better in (a) the major concentration, (b) overall grade points on the "solids," and (c) the given classes in which they propose to extend their knowledge.

Each department that finds it feasible to offer honors opportunities indicates by an introductory paragraph preceding the course descriptions of the department those classes in which a student may earn extra semester hours of honors credit. These are designated by an H following the course number and by a similar symbol on the registrar's books. A minimum grade of B is necessary if any such credit is to be computed as "honors" credit.

LEVELS AND REQUIREMENTS

Many qualified students will decide to take some of the "H" courses because of their interest in a certain area of knowledge and for the incidental stimulus of independent discovery. Those who take enough such courses in their own major department, during two required years of residence in the upper division at La Sierra, may qualify for one of two distinctions:

(a) Honors
(b) Highest Honors

The "Honors" designation calls for the general standing as indicated above and six hours of H credit.

"Highest Honors" calls for (a) eight hours of H credit with a grade point average of 3.5, (b) the major department grade point average of 3.5, (c) an overall grade point average on "solids" of 3.5, and (d) high distinction in an oral and/or written examination in the major field.

No student is eligible for either of the honors designations if his citizenship record or conduct code is out of harmony with La Sierra College principles.

PRIVATE WORK AND CORRESPONDENCE

No student may teach or take private school work or correspondence courses while enrolled at the college without securing permission in advance from the dean of the college. Twelve lower division hours are the permissible maximum for credit. No such permission can be granted for courses to apply on the major or minor or in the upper biennium. Credits earned in violation of this regulation will not be honored by the college. Credits earned by correspondence after failure in the same course at La Sierra College will be honored only after the successful passing of a comprehensive examination over the course given by the appropriate instructor in the college. Credits out of harmony with these regulations, including unauthorized summer work, will not be honored by the college. Tutoring service is arranged by the staff with the consent of the Academic Standards Committee.

Credit for correspondence work which the student intends to apply toward graduation requirements must be in the hands of the registrar at La Sierra when the student begins the final semester of his senior year. Similarly, waiver and validation examinations to satisfy degree requirements must all be satisfactorily completed before the student begins his final semester of residence.

TRANSFER CREDITS

Credits from schools outside the United States and its dependencies will be sent to the United States Office of Education for evaluation.

Students with as many as 70 semester hours credit from junior and/or senior college may not submit further credit from a junior college to apply toward the 128 hours required for college graduation.

A student transferring credits from another institution must earn a C average computed separately on work taken at La Sierra College in order to qualify for graduation or certification.

Credits earned at another institution will not be issued as transfer credits accepted by La Sierra College until the student has completed a minimum of one year in successful residence at La Sierra.

SPECIAL EXAMINATIONS

Under unavoidable circumstances, such as the illness of the student, missed examinations may be made up after advance arrangements have been made with the instructor and a permit secured from the dean's office. For this permit a $3 service fee must be receipted by the business office.

CLASS AND CHAPEL ATTENDANCE

Regular attendance at all classes and chapel exercises is required of all students. A leave of absence does not excuse from any college class, and no unexcused absences are allowed without penalty. A maximum of four unexcused chapel absences is permissible.

THE SEMESTER HOUR

The semester hour is the unit of credit earned by attending one fifty-minute class period a week for one semester of eighteen weeks and satisfactorily meeting the course requirements, credit for each such hour being based on the standard of two hours of preparation for each class period. Three clock hours of laboratory each week, or three fifty-minute periods each week in classes not requiring outside preparation, continued for one semester, are valued at one semester hour of credit.

THE GRADING SYSTEM

La Sierra Colleges uses the four-point system in computing grade point totals. According to this system, grade points are assigned as follows: A, four points; B, three points; C, two points; D, one point; F, no points. No grade below C is counted toward majors or minors; and a C-average is required for graduation, for advancement from lower to upper division, and for various certification levels.

Grade reports and scholastic credit are given in letter grades, as follows:

Grade	Grade Points per Semester Hour
A (excellent)	4
B (above average)	3
C (average)	2
D (inferior)	1
E (warning) (This is given on mid-semester report only.)	
F (failure) (Student must drop the course if this is a mid-semester grade.)	0
Wf (withdrew failing)	0
I (incomplete) (Will be recorded as failure if not removed within nine weeks.)	
W (withdrew, 0 hours attempted)	
Wp (withdrew passing, 0 hours attempted)	

SCHOLARSHIP REPORTS

Reports showing progress grades are issued by the registrar after the mid-semester examinations. Semester grades are issued by the registrar and recorded for permanent reference.

The midsemester grades inform the student as to the level of his achievement up to the time shown. If the report indicates that adjustments are necessary in class load, study habits, self-help labor, extracurricular activities or scholastic motivation, delay beyond this point is likely to be critically final. An E, for instance, means that the teacher judges the student capable of passing the course if he improves according to his potential; if he maintains his E performance, an F for the semester is inevitable.

GRADUATION STANDARDS

DEGREES AND CERTIFICATES

La Sierra College holds membership in the Western College Association, the Northwest Association of Secondary and Higher Schools, and is chartered by the State of California to bestow appropriate literary honors upon its graduates, including the baccalaureate degrees. The college confers the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education.

The BACHELOR OF ARTS degree is conferred upon students who have fulfilled the general and basic requirements for graduation, with a major field of concentration and the prescribed cognates.

Students may select a major from the following:

- Biology
- Business Administration
- Chemistry
- Elementary Teacher Education
- English
- French
- German
- Health and Physical Education
- History
- Home Economics
- Music
- Physics
- Religion
- Secretarial Science
- Social Science
- Speech
- Theology
- Visual Arts

The BACHELOR OF SCIENCE degree is conferred upon a student who completes in a satisfactory manner one of the professional curriculums appearing in this BULLETIN or approved by the Academic Policies Committee. Curriculums are in the following fields:

- Agriculture
- Biology
- Building Construction
- Business Administration
- Chemistry
- Elementary Teacher Education
- Health and Physical Education
- Home Economics
- Physics
- Secretarial Science

Minors may be secured in the same fields as the majors (except in Theology) and in addition may be secured in the following fields:

- Biblical Languages
- Journalism
- Mathematics
- Secondary Education
- Spanish

The BACHELOR OF MUSIC EDUCATION degree is offered for those who wish to teach in the field of music. Requirements of the curriculum are listed on pages 92, 93, 98.

The college also grants certificates to students completing junior college preprofessional and terminal curriculums.

THE BACCALAUREATE DEGREES

To prepare for a baccalaureate degree, the student must meet specified standards as to college entrance and amount, grade, and distribution of work in the particulars indicated below (A, B, C, D, E).

A. ENTRANCE REQUIREMENTS

Graduates of accredited secondary schools may be admitted to curriculums leading to the degrees of Bachelor of Arts, Bachelor of Science, or Bachelor of Music Education upon presentation of an official transcript certifying completion of a minimum of 16 units with at least a C average scholarship record distributed as follows:

a. English: 3 units
b. At least 1 unit from each of the following fields:
   (1) Mathematics
   (2) Natural Science
   (3) Social Science
c. Additional units to make a minimum of two units in each of two fields selected from the following:
   (1) Social Science
   (2) Foreign Language
   (3) Mathematics
   (4) Natural Science
d. Not more than 4 units of the 16 may be in any one field.

B. OVER-ALL REQUIREMENTS

1. The completion of the entrance requirements.
2. The completion of a total of 128 semester credit hours, of which at least 40 must be in the upper biennium.
3. Grade points equal to the total number of credit hours, that is, a minimum over-all average of C, and with a minimum C-average computed separately for the credits earned at La Sierra College.
4. Satisfaction of the minimum residence requirements:
   a. The candidate for a degree must attend La Sierra College for two semesters or for 36 weeks in summer sessions or in combination with one semester and summer sessions, and must earn a minimum total credit of 24 hours.
   b. At least 24 of the last 30 hours must be earned at La Sierra College.
   c. At least 8 hours in the major field and 4 hours in the minor field (if a minor is to be designated) must be earned at La Sierra College.
5. A major concentration (see D below) with prescribed cognates, as indicated for the particular major elected by the student. (Minors are outlined for those who need them for teaching credentials or for other reasons. *No grade below C may be counted on a major or a minor.*
6. Approval of the candidate for a degree by the faculty as to character and citizenship, in addition to scholarship.
7. Completion of the General Education and other basic requirements of the Bachelor's degree. (See C and E below.)

BACHELOR OF ARTS DEGREE: CURRICULUM ORGANIZATION (C, D, E)

C. GENERAL EDUCATION REQUIREMENTS

"General Education," coming mainly during the two first years, is recognized as basic in degree requirements at La Sierra College. The courses are so organized as to give the student a general grasp of those fields of knowledge regarded as significant in liberal arts education. The curriculum prescribes most of these courses in the freshman and sophomore years in order to provide an enrichment of the student's intellectual equipment and to give him balance and orientation for his major concentration and other upper division classes. Room is left in the first two years for electives and lower division requirements for the majors. The prerequisites for a few majors substitute for certain General Education courses, as indicated in the curriculums outlined for the departments concerned. Part of the General Education requirements may be elected from upper division literature and fine arts.

The classes listed here for the first two years have General Education as their main objective. Those marked with an asterisk are required and are normally to be taken in the indicated year.

Freshman Year	*Hours*
*Religion 1, 2 (Life and Teachings of Jesus)	4
*History of Western Civilization	6
*Freshman English	6
*Psychology or Sociology (Those with credit in Economics or Geography may waive this requirement.)	3
Beginning Language (Not required if the student has two entrance units in one foreign language and aims to continue the same language in college.)	6
*Physical Education	1

Sophomore Year	*Hours*
*American History and Institutions (Course so organized as to meet all state requirements in constitution and government. For permissible variations, see under Basic Completion, Social Studies, page 38.)	6
*Intermediate Language (The first semester of this may not be taken for credit if the student presents three units of college entrance credit in this language.)	6
*Health Principles	2
*Fine Arts (Course 57, 58)	4
*Basic Science (See courses 63 and 64 on page 50) (Substitutions allowed for those who need equivalent number of hours in lower division chemistry, physics, biology as prerequisite to their major concentration.)	10
*Physical Education	1

D. MAJOR CONCENTRATION

Not later than the end of the sophomore year the student should decide on a field for emphasis during his upper biennium. This is known as his "major concentration." Each department has outlined the sequence of courses required in the department for such concentration (or major) with prescribed cognates from related areas. These are printed in this issue of the Bulletin in connection with the respective departmental pages. The departments assign an adviser to each student major to counsel him in his schedule of studies and general scholastic affairs.

E. BASIC COMPLETION

In addition to the General Education but including Major Concentration (with indicated cognates), degree requirements call for completion of course hours in specified areas, according to the plan here indicated:

1. Religion: 8-10 hours. Students who have had Bible Doctrines in the preparatory school register for Prophetic Interpretation (71, 72) or Daniel (105) and Revelation (106). Whatever the choice, it is expected that the student will complete the two-semester sequence. At least four hours must be in the upper biennium and may include a maximum of four hours in applied theology or religion history. Course 3, 4 (Foundations of Christianity) is required of freshmen with less than two units of academy religion credit. Transfer students ordinarily take a minimum of four hours of religion for each year of attendance at La Sierra College (up to a total of 12).

2. Social Studies:

   History: Variations from the history specified in the sophomore year of the General Education requirements (page 34) may be by any of these patterns:

   I. History 91, 56 and 112 (or Political Science 58).

   II. History 92, 55, and any other two hours of United States history.

   III. History 55, 56, and Political Science 57, 58.

   A student may waive the American History, the United States Constitution or government, the California government, any or all of these, by passing waiver examinations. Students planning to take these examinations should obtain suggested readings from the respective department before attempting the examinations. Waiving any of these requirements will allow replacement with other courses in social studies.

3. Language, Literature, Speech:

   a. *English*: 8 hours, including at least 4 hours of literature; may include up to 4 hours of speech.

   b. *Foreign Language*: 2 hours in the same language as the General Education foreign language.

   (Not required of students who have two units of one language in high school and twelve hours of another language in college.)

4. APPLIED ARTS: 4 hours, the student to select from courses in the Applied Arts Division (except Home Economics 74 and Agriculture 171) and may include a maximum of 2 hours selected from Secretarial Science 3, 9, 57.

BACHELOR OF SCIENCE DEGREE

Requirements for the Bachelor of Science degree are the same as those for the Bachelor of Arts degree except that fine arts and (in other than science curriculums) foreign language are not required.

BACHELOR OF MUSIC EDUCATION DEGREE

See pages 92, 93, 98 for requirements of this degree.

DEFINITION OF MAJOR AND MINOR

A major is defined as a subject concentration of thirty semester hours, or more if so stated in the description of departmental requirements, of which at least fourteen must be in the upper biennium.

The minor is defined as a subject concentration of eighteen or more semester hours, of which at least nine must be in the upper division unless otherwise specified in the departmental requirements.

BULLETIN OF GRADUATION

A student may be graduated, provided he does not break residence by as much as continuous calendar year, under one of these bulletins:

a. The bulletin he enters under
b. The bulletin of his junior year
c. The bulletin of his senior year

If a student breaks residence by as much as a continuous 12-months year, he then may not be graduated under the bulletin of any year previous to his re-entry.

The responsibility for fulfilling the graduation requirements rests primarily with the candidate for a degree.

DIVISIONS OF INSTRUCTION

I. THEOLOGY, RELIGION, AND COGNATE STUDIES
II. SCIENCE AND MATHEMATICS
III. SOCIAL STUDIES
IV. EDUCATION
V. LANGUAGE AND LITERATURE
VI. MUSIC AND ART
VII. APPLIED ARTS
VIII. BUSINESS AND SECRETARIAL SCIENCE

Available majors and minors are listed in their respective sections. Of the courses listed, those marked with an asterisk (*) will be offered in 1960-1961, those without this mark will be offered in 1959-1960 if in sufficient demand. Courses marked with the double asterisk (**) are offered as needed by majors or minors and then only by special arrangement.

The college reserves the right to withdraw a lower biennium class offering for which fewer than ten students have registered.

NUMBERING SYSTEM

Lower division courses are numbered 1 to 99, those numbered 1 to 49 being freshman offerings. Sophomores may take courses numbered 1 to 99, normally in the 50 to 99 group. Juniors usually and seniors, as may be necessary, register for some lower division courses, although seniors may not take freshman offerings (1 to 49) for hour credit. Upper division courses are numbered from 100 to 199. Such courses are open only to juniors and seniors or others qualified for upper biennium work.

Following the course titles, figures (and combinations of figures) appear, between parentheses, to indicate the credit which successful completion of the course earns in semester hours. A hyphen between the figures indicates that both semesters must be taken in order to earn the credit, the amount of credit for each semester being that on the respective sides of the hyphen. A comma between the figures means that the indicated credit for either semester is valid without respect to the other. In a few "comma courses" the course descriptions specify that credit for the first semester is prerequisite to enrolment for the second. Normally, the student must take the semesters of a "hyphen course" in sequence and may not enrol for the second semester without credit for the first.

DIVISIONS OF INSTRUCTION

I

THEOLOGY, RELIGION, AND COGNATE STUDIES

Walter F. Specht, *Chairman*
Wilber Alexander J. Cecil Haussler
Norval F. Pease Royal Sage

The objectives of this department are these: to foster in students a sense of personal responsibility to God; to lead them into a clear understanding and appreciation of the fundamental doctrines of the church and to an articulate expression of Christian faith; to develop in students ability and spiritual techniques for participation in the organized work of the church, either as official workers or as laymen; to train them to participate in the building of a Christian community, to meet the spiritual, moral, social, and physical needs of men and women everywhere, and to carry the gospel to all the world; to ensure a sound basis for graduate study.

Theology Major Requirements: 42 hours, of which a minimum of 20 must be in the upper biennium. Information concerning required courses, cognates, and the fifth year at the Seminary is given in the Special Curriculums section of this Bulletin. All those desiring recommendation for ministerial internships must major in Theology.

Religion Major Requirements: 30 hours, of which a minimum of 18 hours must be in the upper biennium. Required courses: Religion 71 or 105; 72 or 106; 51, 52 (or 151, 152); 56 or 115; 109 or 110; 141 or 142; 161 and 162. A maximum of 4 hours in applied theology and 6 hours in religious history will be counted towards a major. Recommended electives: Any courses offered in Theology, Religion and cognate studies; Biology 182; History 103, 104; Education 101 and 107; English 160 and 170; Speech 131, 132; Secretarial Science 5 or 6; Music 60, 113, 114.

Religion Minor Requirements: 18 hours, including the basic requirements in religion, and Religion 56 or 115. A minimum of 9 hours must be in the upper biennium. A maximum of 4 hours in applied theology or religious history may apply.

Honors Studies in Religion. Consult this Bulletin, page 32, for a description of the Honors Program at La Sierra College. Honors credit in Religion to the extent of 1 or 2 semester hours is available in each of these courses: 105-H, 106-H, 109-H, 110-H, 115-H, 161-H, 162-H, 171-H, 172-H.

RELIGION

1, 2. Life and Teachings of Jesus (2, 2)

A study of the teaching principles, methods of labor, and analysis of the teachings and miracles of Jesus with their application to present-day conditions and needs.

3, 4. FOUNDATIONS OF CHRISTIANITY (2, 2)

A basic introduction to the fundamental concepts of religious faith and practice, including a study of the purpose and nature of the Bible; the development of the redemption theme in the several books of Scripture, and aims, methods, and tools of Bible study. Offered for students with less than two units of secondary credit in religion, and for others by advisement.

51, 52. FUNDAMENTALS OF CHRISTIAN FAITH (2, 2)

A series of studies on the fundamentals of the Seventh-day Adventist faith, with particular emphasis on Christ and His work in relationship to all other tenets of faith as "the great truth around which all other truths cluster." Credit not allowed for this course and 57, 58 or 151, 152.

56. SPIRIT OF PROPHECY (2)

A creative study of the prophetic gift in its operation in the church, and the relation of its truths, principles, and standards to life problems. For non-theology students only. Credit not allowed for this course and 115.

57, 58. INTRODUCTION TO THEOLOGY (2, 2)

Introduction to the general field of theological thought — its purpose, scope, and methods. Systematic investigation is made of the doctrines of the church. Open to theology majors only. Credit not allowed for this course and 51, 52 or 151, 152.

71. PROPHETIC INTERPRETATION I (2)

The historical and prophetic study of the book of Daniel, tracing the rise and fall of world empires until the final establishment of God's kingdom on earth, with special emphasis on the atonement, judgment, and return of our Lord. Credit not allowed for this course and 105.

72. PROPHETIC INTERPRETATION II (2)

A study of the Revelation in which the whole Bible is gathered together and made to focus on Jesus Christ, His church being seen in its conflict with the forces of evil and apostasy through the ages and in its ultimate triumph. Credit not allowed for this course and 106.

105. DANIEL (2)

An advanced study of Daniel, the objections of and answers to the critics of the Book of Daniel, and particular emphasis and detailed study of the prophetic parts of Daniel. Credit not allowed for this course and 71.

106. REVELATION (3)

An advanced study, particularly applicable to those who are looking forward to the ministry, with emphasis upon eschatology. Credit not allowed for this course and 72 or 132.

109, 110. OLD TESTAMENT PROPHETS (3, 3)

An analytical and exegetical study of the Hebrew prophets with careful attention to their historical setting and with special consideration of the eternal principles and practical values of their messages for today. (First semester: Prophets of the eighth century B.C.; second semester: Prophets of Judah, the exile, and the Restoration.)

115. GIFT OF PROPHECY (3)

A course dealing with the Gift of Prophecy in its relation to the origin and progress of the church and its work from its inception to the present time. Credit not allowed for this course and 56.

132. Eschatology (2)
The intensive study and chronological organization of the closing events as presented in the Spirit of Prophecy. Credit not allowed for this course and 106.

151, 152. Biblical Theology (2, 2)
A study of fundamental Bible doctrines, particularly the five pillars of Adventist faith, and their relation to the great controversy and personal salvation. Credit not allowed for this course and 51, 52 or 57, 58.

161, 162. New Testament Epistles (3, 3)
An exegetical study of the Pauline Epistles. The object is to train the student in correct analysis and interpretation of Scripture, with special emphasis on the great truths, historical background, and theological concepts.

171, 172. Philosophy of Religion (2, 2)
(See Philosophy 171, 172.)

APPLIED THEOLOGY

122. Theory and Practice of Counselling (2)
A course for prospective ministers, social workers, and others who will have counselling with individuals as part of their responsibility. Focus is upon the problems and methods of the non-professional counsellor in his work both with individuals in difficulty and with those with ordinary life problems. Offered in alternate years.

127, 128. Homiletics (3, 3)
An introduction to the history, science, and art of preaching. Discussion of the origin, structure, content, and composition of various types of sermons. Application is made of the analytical and synthetical Bible study methods for preaching. Exercises in sermon outlines, elaboration, and delivery, with criticism. One hour laboratory, and field work in surrounding churches. The first semester or equivalent is prerequisite to the second.

137. Principles of Public Evangelism (2)
A survey of the basic principles involved in planning, preparing, organizing, advertising, and conducting public evangelistic meetings. Scheduled projects in field work will be assigned and practical experience will be given in conducting a series of evangelistic meetings. Prerequisites: Religion 57, 58 (or 151, 152) and 127.

138. Principles of Personal Evangelism (2)
A thorough study of the fundamental principles of soul winning together with the preparation and presentation of Bible studies. This course is designed to develop abilities and techniques in personal work for both future pastors and laymen.
Prerequisites: Religion 57, 58 or 51, 52 (or 151, 152).

RELIGIOUS HISTORY

101. Biblical Archaeology (2)
A study of the technique of archaeology and its methods, and a survey of the excavations and discoveries in Bible lands with a view to making clear the setting of many of the incidents of the Bible; to provide additional light on and confirmation of the word of God.

118. Missions and Mission Problems (3)
A study of world missions in prophecy and history. Special stress is given to the problems, methods, and policies of mission work under present-day conditions.

134. MANUSCRIPTS OF THE BIBLE (2)

A course showing God's particular care in preserving manuscripts and versions of the Bible. The formation of the canons of the Old and New Testaments, translations, and revisions of the Bible constitute the chief fields of study in this course.

141, 142. HISTORY OF THE CHRISTIAN CHURCH (3, 3)

The development of the Christian church with emphasis upon the story of the true church, the rise and development of the Papacy, the Protestant Reformation, with the subsequent break-up of Protestantism, and the origin of modern denominations.

PHILOSOPHY

81-82. INTRODUCTION TO PHILOSOPHY (2-2)

The nature, purpose, methods, and values of philosophical inquiry. An analysis of the major philosophical problems and an evaluation of the solutions offered by philosophers in all ages.

171, 172. PHILOSOPHY OF RELIGION (2, 2)

An examination of the history and development of religious philosophy with particular emphasis upon Christian philosophy and an evaluation of it. An examination of the Christian concepts of God, creation, nature of man, salvation, and immortality. The first semester is prerequisite to the second.

196. AESTHETICS (2)

A study of the principles of aesthetics and the aesthetic experience involved in the creation and understanding of the various arts. (See Music and Art 196.)

BIBLICAL LANGUAGES

Minor Requirements: 20 hours, a minimum of 8 in the upper biennium. Prerequisite for Greek courses numbered 100 or above is 12 hours or the equivalent in that language.

7-8. BEGINNING NEW TESTAMENT GREEK (3-3)

A study of the elements of the Greek language in the vernacular koine of the first century, A.D.; readings from the Gospel and Epistles of John; three class periods and two tutorial sessions per week.

65-66. INTERMEDIATE NEW TESTAMENT GREEK (3-3)

A course in translation and grammatical interpretation of selected readings from the Gospels, the Apocalypse, and the Acts of the Apostles. Further study of the syntax, vocabulary, and Greek idiom of the New Testament.

145, 146. PAULINE EPISTLES * (3, 3)

Reading and exegetical study of the Greek text of Paul's letters, with special attention to the historical, grammatical, and textual questions involved. May be substituted for Religion 161, 162.

149. TEXTUAL CRITICISM OF THE NEW TESTAMENT (2)

A study of the materials, methods, and history of New Testament textual criticism, with practical exercises using microfilms and facsimiles of manuscripts.

150. TRANSLATION PROBLEMS (2)

The methods and resources of the art of translation. A critical examination of some of the more important translation problems with suggestive solutions.

155-156. BEGINNING HEBREW (3-3)

An introduction to the elements of the Hebrew language; readings from the book of Genesis.

158. GENERAL EPISTLES* (3)

An exegetical study of the Greek text of the epistles of James, Peter, Jude, and John with attention to the historical, syntactical, and textual problems involved.

CURRICULUM FOR RELIGION MAJOR

FRESHMAN YEAR	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
Beginning Language (Not required if the student has two entrance units in one foreign language and aims to continue the same language in college.)	3	3
History of Western Civilization (History 1, 2)	3	3
Applied Arts	2	2
General Psychology (Education 5)		3
Speech	3	
Physical Education (7, 8)	½	½
	16½	16½
SOPHOMORE YEAR		
Religion (51, 52 or 71, 72)	2	2
Intermediate Language	3	3
General Education Basic Science (Science 63, 64)	5	5
American History and Institutions (History 91, 92)	3	3
Health Principles (Health 59)	2	
Electives		3
Physical Education (55, 56)	½	½
	15½	16½
JUNIOR YEAR		
New Testament Epistles (Religion 161, 162)	3	3
Gift of Prophecy (Religion 115)	3	
Literature	2	2
Fine Arts	2	2
Electives	6	9
	16	16
SENIOR YEAR		
History of the Christian Church (Religious History 141 or 142)	3	
Old Testament Prophets (Religion 109 or 110)		3
Daniel and Revelation (Religion 105, 106) or Biblical Theology (Religion 151, 152)	2	2-3
Electives in Major Concentration	2	2
Electives	9	8-9
	16	16

CURRICULUM FOR THEOLOGY MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Beginning New Testament Greek (Biblical Language 7-8)	3	3
Freshman English (1-2)	3	3
General Psychology (Education 5)		3
Applied Arts	2	2
History of Western Civilization (History 1)	3	
Social Science or Education		3
Speech	3	
Physical Education (7, 8)	½	½
	16½	16½

SOPHOMORE YEAR

Introduction to Theology (Religion 57, 58)	2	2
Intermediate New Testament Greek (Biblical Languages 65-66)	3	3
General Education Basic Science (Science 63, 64)	5	5
Health Principles (Health 59)	2	
Introduction to Visual Arts (57)		2
American History and Institutions (History 91, 92)	3	3
Physical Education (55, 56)	½	½
	15½	15½

JUNIOR YEAR

Homiletics (Applied Theology 127, 128)	3	3
New Testament Epistles (Religion 161, 162)	3	3
History of the Christian Church (Religious History 141, 142)	3	3
Gift of Prophecy (Religion 115)	3	
Advanced Greek	2	or 2
Electives		1-3
Literature	2	or 2
History of Church Music (Music 113, 114)	2	2
	18	16

SENIOR YEAR

Old Testament Prophets (Religion 109, 110)	3	3
Daniel and Revelation (Religion 105, 106)	2	3
Philosophy of Religion (Philosophy 171, 172)	2	2
Principles of Public Evangelism (Applied Theology 137)	2	
Principles of Personal Evangelism (Applied Theology 138)		2
Literature		2
Speech	2	
Electives	5	4
	16	16

II

SCIENCE AND MATHEMATICS

JULIAN L. THOMPSON, *Chairman*

GENERAL EDUCATION BASIC SCIENCE

These are the science courses which should normally be chosen by the student not intending to make any natural science his field of major concentration. Students enrolling in these courses will be assigned to either the biological or physical science section the first semester and the alternate section the second semester.

63. NATURAL SCIENCE: PHYSICAL (5)
A study of the earth, the characteristics of its surface and its resources of materials and energy in relation to the rest of the known universe. Offered both semesters.

64. NATURAL SCIENCE: BIOLOGICAL (5)
A study of the physiology and morphology of various types of living organisms with particular reference to man and his environment. Not applicable on a major. Offered both semesters.

BIOLOGY

L. E. DOWNS (head), E. W. LATHROP, E. A. WIDMER

The objective of this department is to achieve an understanding of nature and natural law. The courses are designed to stress scientific methods and disciplines in reaching rational and logical conclusions and to provide offerings from which to choose for personal enrichment or for professional attainment. The student is motivated through the attraction of learning about living things. Along with the teacher, he learns to appreciate the mystery of life, while his attention is turned to the Author of Life.

Major Requirements: Required courses are: 11, 15, 16 or 11, 12, 15; and twenty-four hours of upper division, including courses 154, 181. Electives for any combination must have the approval of the head of the department.

Cognate requirements: Chemistry 5-6 and either Chemistry 113-114 or Physics 51-52 (both are highly desirable, as is also Chemistry 134 and 155-156). Students planning graduate work in biology may need additional hours of undergraduate work in biology and chemistry. Biology majors are advised to take German or French to meet the language requirement.

Courses 5, 8, 51, and 64 cannot apply on the major but may apply on the minor.

Minor Requirements: 18 hours. The student may choose one of the following groups of required courses: Group 1. Biology 11, 12 (or 15, 16); 8 or 58, plus 6 hours from the upper biennium. Group 2. Biology 5, or equivalent; 8 or 58, and 64 plus 4 hours from the upper biennium. Electives for the minor must have the approval of the head of the department.

Courses 5, 8, 11, 15, 51, 64, and 182 may be taken by the general college student without prerequisite.

Those desiring a Bachelor of Science degree in Botany or Zoology should consult the head of the department.

HONORS STUDIES IN BIOLOGY. Consult this BULLETIN, page 32, for a description of the Honors Program at La Sierra College. Honors credit in Biology to the extent of 2 semester hours each is available in 152-H and 154-H.

GENERAL BIOLOGY

8. MICROBIOLOGY (3)

A study of the general principles of structure, function, and control of microorganisms for general students. Includes the study of bacteria, yeasts, molds, pathogenic protozoa, rickettsia, viruses, and their relationship to disease. Laboratory: three hours each week. Credit not given for this course and 58. Cannot apply on the biology major.

51. NATURE STUDY* (2)

An Introductory course in nature study in which the student learns to appreciate a variety of plant and animal forms in their natural state. Helpful to prospective teachers and others who wish an introduction to the subject. Laboratory: three hours each week.

152. FIELD BIOLOGY (3)

A course designed to acquaint the student with the principles involved in field study of plants and animals. Includes ecological considerations, collecting and preserving techniques, and methods of field recording and reporting. Laboratory: six hours on alternate Sundays. A $10 transportation fee will be charged for each student.
Prerequisite: Biology 11 and 15 or equivalent.

154. GENETICS (3)

A study of the principles of heredity and variation and their causes as demonstrated by animal and plant breeding. Laboratory: three hours each week.
Prerequisite: Biology 11 or 15 or equivalent.

162. GENERAL ECOLOGY* (3)

A study of interrelations of plants and animals in their life processes and their relation to the environment. Emphasis is given to ecological principles and to composition of typical N. A. Communities. Laboratory: six hours on alternate Sundays. A $10 transportation fee charged to each student.
Prerequisites: Biology 11 and 15 or equivalent.

166. MICROTECHNIQUE* (3)

Preparation, mounting, and staining of plant and animal tissues on slides for microscopic study. Laboratory: six hours each week.
Prerequisites: Biology 11 and 12 (or 15 and 16) or equivalent.

181. PHILOSOPHY OF SCIENCE (3)

A survey of the basic philosophies of sciences with consideration of the origin and distribution of species.

188. METHODS OF BIOLOGICAL RESEARCH (2)

A study of biological literature, techniques of research, and characteristics of a scientific paper.
Prerequisite: Biology 15 or equivalent.

199. Projects and Topics in Biology (1 or 2)
Experimental and library study of a selected problem of limited scope may be arranged with the head of the department. Regular conferences will be arranged with the head of the department and the instructor concerned. May or may not involve original research. Limited to upper division biology majors and specially prepared minors with a minimum over-all grade point average of 2.5 and of 3.0 in the field of biology. Offered either or both semesters.

PLANT SCIENCE

11. General Botany (4)
The fundamentals of plant life as studied through the structure and function of typical forms. Laboratory: three hours each week.

12. Plant Morphology (3)
The principal groups of the plant kingdom are studied and compared. One or two field trips will be taken toward the end of the semester. Laboratory: three hours each week.
Prerequisite: Biology 11 or equivalent.

58. General Bacteriology (4)
Designed to broaden the student's view of life and his understanding of the organisms contributing to decay, fermentation, health, disease, and the biological balances in nature. Laboratory: three hours each week. Credit not allowed for this course and 8.
Prerequisites: Biology 11 or 15 or equivalent; Chemistry 5-6 desirable.

122. Plant Physiology* (3)
A study of plant processes with special emphasis on the processes of osmosis, diffusion, photosynthesis, respiration, and mineral nutrition. Laboratory: three hours each week. Enrolment limited to 15.
Prerequisite: Biology 11 or equivalent.

132. Systematic Botany* (3)
A study of the taxonomy of flowering plants. Includes the study of morphological structures used in identification, family characteristics, and technique of identification and use of a key. Laboratory: three hours each week.
Prerequisites: Biology 11 and 12 or equivalent.

137. Plant Anatomy* (3)
A study of the microscopic anatomy of plant tissues with emphasis on their origin and development. Laboratory: three hours each week.
Prerequisites: Biology 11 and 12 or equivalent.

145. Plant Pathology (3)
A study of the diseases of plants with emphasis on the study of the cause, effect, and control of economically important diseases. Includes the study of the taxonomy and morphology of fungi. Laboratory: three hours each week. Enrolment will be limited to 15 students.
Prerequisites: Biology 11, 8 or 58 or equivalent.

ZOOLOGY

5. Anatomy and Physiology (5)
This course is for professional nursing and general college students. Included is the study of the structure and function of the skeleton, the muscles, and the organ systems of the human body, correlated by laboratory experience and demonstration. Four lectures and one three-hour laboratory each week.

15, 16. GENERAL ZOOLOGY (4, 4)
A study of the structure and function of animal organisms. Representative forms are invertebrates and vertebrates of the principal groups of animals are studied and compared. Course 15, prerequisite to Course 16, is offered both semesters. Laboratory: three hours each week.

73. MAMMALIAN ANATOMY (2)
A laboratory course in which a detailed dissection of a large animal is performed to teach the anatomy of the organ systems. Laboratory: six hours each week.
Prerequisite: Biology 15 or equivalent.

103. COMPARATIVE EMBRYOLOGY (3)
A study of gametogenesis, fertilization, cleavage, and early development of representative chordates. Laboratory: three hours each week.
Prerequisite: Biology 15 or equivalent.

124. COMPARATIVE ANATOMY* (4)
A study of the morphology of several representative vertebrates. Laboratory: six hours each week.
Prerequisite: Biology 15 or equivalent.

135. ENTOMOLOGY* (3)
The general principles of insect biology and morphology as related to identification and economic significance. Required field work and collections designed to acquaint the student with various groups of insects. Laboratory: three hours each week.
Prerequisite: Biology 15 or equivalent.

140. ORNITHOLOGY* (3)
Field and laboratory identification of birds with special emphasis on the Pacific States avifauna. Lectures include their taxonomy, life histories, characteristics of songs, migration, habitats, and special modifications. Field and laboratory work combined. Laboratory: three hours each week.
Prerequisites: Biology 15 and 16.

144. HISTOLOGY (4)
A descriptive analysis of normal vertebrate tissues and organs, including those of man. The microscopic identification of stained sections is emphasized in the laboratory. Laboratory: six hours each week. Enrolment will be limited to 20 students.
Prerequisite: Biology 15 or equivalent.

148. PARASITOLOGY* (4)
The study of the common parasites of man and domestic animals. Laboratory each week consists of recognition studies of many typical forms. Laboratory: three hours each week.
Prerequisite: Biology 15, 16 or equivalent.

157, 158. HUMAN PHYSIOLOGY I AND II (2, 2)
A study of the principles of animal function with special attention to processes relating to the metabolism of man.
Prerequisites: Biology 11, 15 or 64.

183. HERPETOLOGY (3)
Classification, distribution, life habits, and identification of amphibians and reptiles. Laboratory or field trips: three hours each week.
Prerequisite: Biology 15, 16.

CURRICULUM FOR BIOLOGY MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
History of Western Civilization (History 1, 2)	3	3
Algebra (Mathematics 5)	3	
Math. Prep. for Physical Science (Math. 8)		3
General Zoology (15, 16)	4	4
Physical Education (7, 8)	½	½
	15½	15½

If the student does not have two secondary units of college entrance credits in the required language, he will need to take in the summer between the freshman and sophomore years, six hours of some other requirement to make room for beginning language during the regular year.

SOPHOMORE YEAR

Prophetic Interpretation (Religion 71, 72)	2	2
Fundamentals of Speech (5)		3
Intermediate Language (53-54)	3	3
General Botany (11)	4	
General Psychology (5)		3
General Chemistry (5-6)	5	5
Applied Arts (Agriculture 7, 8, 11, 28, 52, 55, 62, 68)	2	
Physical Education (55, 56)	½	½
	16½	16½

JUNIOR YEAR

Religion Elective (Upper Division)	2	2
Physics (51-52)	4	4
Biology Elective (Upper Division)	3	
Organic Chemistry (113, 114)	4	4
Genetics (154)		3
Applied Arts (see under Sophomore year)		2
Fine Arts (57, 58)	2	
Reading Language (Upper Division)	1	1
	16	16

SENIOR YEAR

American History & Institutions (History 91, 92)	3	3
Fine Arts (57, 58)		2
Literature (Upper Division)	3	2
Human Physiology (Zoology 157, 158)	2	2
Philosophy of Science (General Biology 18)	3	
Biology Elective (Upper Division)	5	6
Elective		1
	16	16

Note: This curriculum meets all requirements for entrance to a school of medicine except four hours of Quantitative Analysis and three hours of Embryology (Chemistry 51, Biology 103 at La Sierra College). These courses may be taken in summer school or as electives.

CHEMISTRY

W. D. LEECH (head), LUELLA KRETSCHMAR, H. R. SHELDEN

In harmony with, and in the spirit of, the aims and objectives of the College, the Chemistry Department seeks to equip its pupils for participation in the fields of chemistry, chemical engineering, the health sciences, the teaching of chemistry, and the pursuing of graduate work.

Major Requirements: The chemistry major must meet the general college requirement in addition to 24 to 32 hours of chemistry in the upper biennium and the approval of the Department of Chemistry.

Required courses: Chemistry 5-6, 51, 115-116, 155-156, and 199.

Cognate requirements: Mathematics 77, 78, Physics 51-52.

Recommended: Biology 11, 12 or 15, 16 or 11 and 15; Physics 151, 152; German.

Minor Requirements: 24 hours. Required courses: Chemistry 5-6, 51, 115-116, and the approval of the chairman of the department.

The Bachelor of Arts degree with Chemistry as a major is outlined on page 55. Those who desire a Bachelor of Science degree in Chemistry should consult the head of the department for approved adjustment in requirements.

HONORS STUDIES IN CHEMISTRY. Consult this BULLETIN, page 32, for a description of the Honors Program at La Sierra College. Honors credit in Chemistry to the extent of 2 or 3 semester hours is available in 199-H.

1-2. INTRODUCTORY CHEMISTRY (3-3)

A beginning course in the practical and theoretical aspects of chemistry. One additional drill period per week will be required for all pupils who are not making a grade of C or above by the end of the first 6 weeks of each semester. Two lectures and one three-hour laboratory period each week.

3. ELEMENTS OF CHEMISTRY (4)

This course stresses the basic aspects of inorganic, organic, and biochemistry primarily to meet the needs of students in professional nursing. High school chemistry is strongly urged as prerequisite. Three lectures and one three-hour laboratory each week.

5-6. GENERAL CHEMISTRY (5-5)

A standard freshman course in general college chemistry. Stresses the fundamental principles and theories of chemistry with emphasis on practical aspects. A study of Qualitative Analysis using semimicro methods is included in the second semester's work. Three one-hour lectures each week. Laboratory: two three-hour periods each week. Prerequisite: High school chemistry or physics or Chemistry 1. (Credit cannot be earned in both Chemistry 1-2 and 5-6.)

51. QUANTITATIVE ANALYSIS (4)

Designed to acquaint the student with the theory, methods, and calculations of gravimetric and volumetric analysis. Proficiency in the use of the slide rule will be helpful. Two lectures and two three-hour laboratory periods each week.
Prerequisites: Chemistry 5-6 and Mathematics 5 or equivalent.

71. Elementary Organic Chemistry (4)
A course designed to meet the needs of majors in Home Economics, Agriculture, and other non-chemistry fields. Three one-hour lectures and one three-hour laboratory each week.
Prerequisite: Chemistry 1-2 or 5-6.

113-114. Organic Chemistry (4-4)
A systematic study of the fundamental principles and reactions of organic chemistry, with application to the living processes, industry, and society. This course is intended primarily for home economics, dietetics, forestry, and bacteriology majors. It may not apply on the major in chemistry programs. Three one-hour lectures each week. Laboratory: one three-hour period each week.
Prerequisite: Chemistry 5-6. 51 recommended.

115-116. Organic Chemistry (5-5)
A systematic development of the fundamental principles of the chemistry of carbon compounds and their reactions. A more comprehensive presentation of the subject than offered in 113-114. Laboratory work is designed to train the student in laboratory techniques of the organic chemist. This course, intended primarily for chemistry and chemical engineering majors, is a basis for teaching and for scientific research. Three one-hour lectures each week. Laboratory: two three-hour periods each week.
Prerequisite: Chemistry 5-6. 51 recommended.

130. Advanced Quantitative Analysis (3)
A continuation of Chemistry 51 emphasizing the principles of physical chemistry which serve as a basis for analytical processes. One hour lecture and two three-hour laboratory periods each week.
Prerequisite: Chemistry 51.

132. Chemical Microscopy (3)
A study of the polarizing microscope and its accessories. Micrometric measurements, examination of fibres and study of optical crystallographic properties with applications to chemical analysis. Two lectures and one laboratory each week.
Prerequisites: Chemistry 51 and 115.

134. Biochemistry (4)
Discussion of select topics designed to familiarize the student with the nature of the reactions which take place in living tissues and with the functions of enzymes, vitamins, and hormones in controlling these reactions. The course deals primarily with Biochemistry as it is related to plants and animals. Three one-hour class periods each week. Laboratory: one three-hour period each week.

141. Organic Synthesis (2)
A course designed to help fit the student for research. Study is given to such topics as literature research, distribution, extraction, purification and special techniques. Laboratory work consists of the preparation and purification of a number of typically organic compounds. One lecture and one three-hour laboratory period each week.
Prerequisite: Chemistry 115-116.

144. Qualitative Organic Analysis (2)
A course in the classification and identification of organic compounds and mixtures. One lecture and one three-hour laboratory period each week. Prerequisite: Chemistry 115-116.

CURRICULUM FOR CHEMISTRY MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
History of Western Civilization (History 1, 2)	3	3
Algebra (Mathematics 5)	3	
Mathematical Preparation for Physical Science (Math. 8)		3
General Chemistry (Chemistry 5-6)	5	5
Physical Education (7, 8)	½	½
	16½	16½

Beginning German, 6 hours.

If the student does not have two secondary units of college entrance credits in German, he will need to take, in the summer between the freshman and sophomore years, 6 hours of some other requirement to make room for Beginning German during the regular year.

SOPHOMORE YEAR

Intermediate German (German 65-66)	3	3
Calculus I and II (Mathematics 77, 78)	4	4
Quantitative Analysis (Chemistry 51)	4	
Applied Arts	2	2
Biology 11 and 15	4	4
Psychology (5) or Sociology (47)		3
Physical Education (55, 56)	½	½
	17½	16½

JUNIOR YEAR

Religion (51, 52 or 71, 72)	2	2
Organic Chemistry (Chemistry 115-116)	5	5
General Physics (Physics 51-52)	4	4
American History and Institutions (History 91, 92)	3	3
Reading German (German 143-144)	1	1
Speech or Literature	2	2
	17	17

SENIOR YEAR

Atomic and Nuclear Physics (Physics 151, 152)	3	3
Physical Chemistry (Chemistry 155-156)	4	4
Biochemistry (Chemistry 134)		4
Projects and Topics (Chemistry 199)	2	
Literature (Upper Division)	2	2
Fine Arts (Upper Division)	2	2
Religion (Upper Division)	2	2
Health Principles (Health 59)	2	
	17	17

Note: This curriculum as outlined above meets all requirements for entrance to a school of medicine except two hours of vertebrate embryology (Zoology 103 at La Sierra College), room for which can be made by summer school enrolment.

155-156. Physical Chemistry (4-4)
A study of the fundamental physico-chemical concepts and laws. Three one-hour lectures each week. Laboratory: one three-hour period each week.
Prerequisites: Chemistry 5-6, Mathematics 77, 78, Physics 51-52.

161. Chemical Literature (1)
A supervised approach to the literature of chemistry. Open to chemistry majors.

199. Projects and Topics (2 or 3)
Individual work in special fields. Open only to seniors.

PHYSICS

James Riggs (head), L. H. Cushman, D. E. Lee

Fostering an intellectual curiosity which will extend through the students' post-college years, imparting an attitude of open-minded consideration of controversial questions, and building an appreciation of the part played by physics in everyday living and in international affairs constitute the general objectives of the department. For the physics major there are the additional objectives of adequate preparation for professional training or for graduate work in physics, adequate factual preparation for secondary teaching in physics, preparation for employment under the Civil Service classification of junior scientist physicist, or similar grade in private industry.

Major Requirements: 24 hours upper biennium. Required courses: Physics 51-52; 53-54; 106; 107; 108; 151, 152; 170 and 199. Required cognates: Chemistry 5-6; Mathematics 77, 78; 109. Chemistry 155-156 is recommended.

The Bachelor of Arts degree with Physics as a major is outlined on page 55. Those who desire a Bachelor of Science degree in Physics should consult the head of the department for approved adjustments in requirements. German is the recommended language.

Minor Requirements: 18 hours, of which a minimum of 8 must be in the upper biennium. Required courses: Physics 51-52 and 151, 152.

Honors Studies in Physics. Consult this Bulletin, page 32, for a description of the Honors Program at La Sierra College. Honors credit in Physics to the extent of 2 semester hours is available in 199-H.

15. Radio I (3)
(May not be applied on a major or minor in Physics. See Applied Arts section for description of course.)

16. Radio II (3)
(May not be applied on a major or minor in Physics. See Applied Arts Section for description of course.)
Prerequisite: Physics 15 or equivalent.

51-52. GENERAL PHYSICS (4-4)

Mechanics, heat, sound, electricity and light, modern physics. Laboratory: three hours each week.
Prerequisites: Mathematics 5, 8 and high school chemistry or physics.

53-54. PROBLEMS IN PHYSICS (1-1)

A problem-solving course on the General Physics level for engineering students and Physics majors. Must be taken concurrently with 51-52. Mathematics 77, 78 (Calculus) must precede or parallel this course.

106. HEAT AND THERMODYNAMICS** (3)

Heat transmission, kinetic theory, change of state, specific heats, elementary thermodynamics.
Prerequisites: Physics 51-52 and Mathematics 77, 78.

107. LIGHT (4)

Refraction and reflection, wave motion, diffraction and interference, polarization. Laboratory: three hours each week.
Prerequisites: Physics 51-52 and Mathematics 77, 78.

108. ELECTRICITY AND MAGNETISM (4)

Electric and magnetic fields; circuits having resistance, inductance and capacitance. Laboratory: three hours each week.
Prerequisites: Physics 51-52 and Mathematics 77, 78.

151, 152. ATOMIC AND NUCLEAR PHYSICS (3, 3)

A study of atoms and sub-atomic particles and radiation and their relation to the ultimate structure of matter. The first semester is a prerequisite to the second.
Prerequisites: Physics 51-52 and Mathematics 77, 78. Physics 107 and 108 recommended.

161, 162. ELECTRONICS (3, 3)

A study of electronic devices (electron tubes, transistors, etc.) and their associated electrical circuits. The first semester is prerequisite to the second.
Prerequisites: Physics 51-52, Mathematics 77, 78.

170. ANALYTICAL MECHANICS (3)

An introduction to the methods of mathematical physics; statics, kinematics and dynamics of particles and systems of particles; introduction to vector notation. May also be applied on mathematics minor.
Prerequisites: Physics 51-52 and Mathematics 109.

177. ADVANCED PHYSICAL MEASUREMENTS** (1)

Formal laboratory work in upper division physics. May be repeated in a different subject for credit. Laboratory: three hours each week.
Prerequisites: An upper biennium course in the same field and consent of the department head.

181. APPLIED PHYSICS LABORATORY (1)

The application of basic physical principles to current laboratory problems in collaboration with a staff member. Open only to upper biennium physics majors.
Prerequisite: Two semesters of upper biennium physics laboratory of three hours each week.

199. PROJECTS AND TOPICS IN PHYSICS (1 or 2)

Experimental and library study of a specific problem under the direction of a staff member. Limited to upper biennium physics majors and minors.

CURRICULUM FOR PHYSICS MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
History of Western Civilization (History 1, 2)	3	3
Algebra (Mathematics 5)	3	
Mathematical Preparation for Physical Science (Math. 8)		3
General Chemistry (Chemistry 5-6)	5	5
Physical Education (7, 8)	½	½
	16 ½	16½

If the student does not have two secondary units of college entrance credits in German, he will need to take, in the summer between the freshmen and sophomore years, six required hours to make room for Beginning German during the regular year.

SOPHOMORE YEAR

Religion (Religion 51, 52 or 71, 72)	2	2
General Psychology 5		3
Fundamentals of Speech (Speech 5)	3	
Intermediate German (German 53-54)	3	3
General Physics (Physics 51-52)	4	4
Physics Problems (Physics 53-54)	1	1
Calculus I and II (Mathematics 77, 78)	4	4
Physical Education (55, 56)	½	½
	17½	17½

Note: Engineering students must take Physics Problems (Physics 53, 54) concurrently with Physics 51, 52.

JUNIOR YEAR

American History and Institutions (History 91, 92)	3	3
General Botany (11)	4	
General Zoology (15)		4
Descriptive Geometry and Technical Drawing (Building Construction 41, 42)	2	2
Atomic & Nuclear Physics (Physics 151, 152)	3	3
Differential Equations (Mathematics 114)		3
Calculus III (Mathematics 110)	3	
Health Principles (Health 59)	2	
	17	15

SENIOR YEAR

Religion	2	2
Literature	2	3
Reading German (German 143-144)	1	1
Introduction to Music (Fine Arts 58)	2	
Visual Arts (118)		2
Light (Physics 107)	4	
Electricity and Magnetism (Physics 108)		3
Heat and Thermodynamics (Physics 106)	3	
Analytical Mechanics (Physics 170)		3
Project in Physics (Physics 199)	2	
	16	14

MATHEMATICS

L. H. Cushman, James Riggs

Minor Requirements: 18 hours, of which a minimum of 6 must be in the upper biennium. Required course: Mathematics 77, 78.

A, B. Elementary Mathematics (2, 2)

A course for those who lack algebra, geometry, or both on the secondary level. This is an integrated presentation of the basic concepts of algebra and geometry. A student lacking either subject should take the first semester; if both are lacking, two semesters are required. The first semester is a prerequisite to the second. (Not counted toward the Bachelor's degree.)

5. Introductory College Algebra (3)

Brief review of high school algebra with additional topics of particular interest to science students. Not counted toward a mathematics minor.
Prerequisite: High school algebra or course A, B.

8. Mathematical Preparation for Physical Science (3)

Plane trigonometry and a brief study of plane analytical geometry.
Prerequisite: Mathematics 5 or three semesters of high school algebra.

51. Advanced Algebra (3)

Simultaneous quadratic equations; determinants, binomial theorem, progressions; permutations; combinations.
Prerequisite: Mathematics 5 or three semesters of high school algebra.

77, 78. Analytic Geometry and Calculus (4, 4)

A unified course in analytic geometry and calculus.
Prerequisite: Second year high school algebra and plane trigonometry, or Mathematics 5 and 8.

105. Theory of Equations** (2)

Elementary theory of algebraic equations; determinants.
Prerequisite: Mathematics 51.

109. Differential Equations (3)

Methods of solution of ordinary differential equations.
Prerequisites: Mathematics 77, 78.

110. Calculus III (3)

Advanced topics in calculus, including an introduction to the use of series.
Prerequisite: Mathematics 77, 78.

170. Analytical Mechanics (3)

(See Physics section for description of course.)

III

SOCIAL STUDIES

Wilfred J. Airey, *Chairman*

The Division of Social Studies directs the student to current problems in the light of social experience. It concerns itself with the field of human relationships, both past and present, with an emphasis on the study of political, social, economic, and other cultural problems in preparation for intelligent citizenship and leadership. Courses offered are basic for professional careers in business and economics, law, medicine, public relations, social work, teaching, and other fields.

HISTORY

W. J. Airey (head), F. G. Hoyt, W. M. Landeen

History Major Requirements: 32 hours, of which a minimum of 20 hours should be in the upper biennium (which may be reduced to 15 if the student completes another major or minor); 12 hours of cognate courses are to be selected in consultation with the head of the department. Required courses: History 1, 2 and 91, 92.

History Minor Requirements: 18 hours, of which a minimum of 6 must be in the upper biennium. Required courses: History 1, 2; 91 and/or 92, or equivalent. Only 3 hours of History 141, 142 may apply on a minor.

Honors Studies in History. Consult this Bulletin, page 32, for a description of the Honors Program at La Sierra College. Honors credit in History to the extent of 1 or 2 semester hours is available in each of these courses: 103-H, 104-H, 109-H, 111-H, 112-H, 125-H, 126-H, 127-H, 152-H, 161-H.

1, 2. History of Western Civilization (3, 3)
A study of the development of western civilization from antiquity to the present. Emphasis is placed on the political, economic, religious, social, and cultural institutions and ideas as they affected man's development.

55, 56. United States Constitution (Constitutional History) (2, 2)
(See Political Science 55, 56.)

91, 92. American History and Institutions (3, 3)
The social, cultural, political, and constitutional development of the United States and local government from the period of colonization to the present. This course fulfills the state requirement in American History, Constitution, and California Constitution.

103, 104. History of Antiquity (2, 2)
The ancient kingdoms of the Near East, Egypt, Greece, and Rome, particularly as they relate to Bible history.

106. Medieval Europe* (3)
A study of the developing institutions of early Western Europe from Constantine to the thirteenth century.

107, 108. British Civilization (2, 2)
England and the Empire to the present.

109. English Constitutional History* (3)
Development of the English constitution and growth of English law to 1485.

111, 112. Western America and California (2, 2)
The exploration and settlement of the American West. Statehood and progress in the western United States. The second semester emphasizes California History and government.

125, 126. Europe Since 1914 (2, 2)
Europe from World War I to the present.

127. American Colonial History (3)
A study of the institutions, life, thought, imperial control, and intercolonial relations, leading to the movement for independence of the English colonies in America.

141, 142. History of the Christian Church (3, 3)
The Christian Church, the Papacy, and the Protestant Churches.

151. The Renaissance (3)
An intensive study of the economic, literary, artistic, and religious developments of the period.

152. Reformation (3)
The Protestant Reformation to the Peace of Augsburg.

155. Western Europe 1555-1648 (3)
The era of the Catholic reformation and the religious wars.

157, 158. Europe, 1789 to 1914* (3, 3)
Europe in revolution and transition, 1789-1914.

161. Civil War and Reconstruction (3)
The causes for, campaigns of, and results of the Civil War.

163, 164. American Diplomatic Relations* (2, 2)
Developments in American diplomatic history from the Revolution to the present, with emphasis on contemporary foreign affairs.

165, 166. The Far East in World Affairs (2, 2)
(See Political Science 165, 166.)

SOCIAL SCIENCES

F. G. Hoyt (head), D. E. Rebok, R. L. Koorenny

Social Science Major Requirements: 36 hours with no less than 8 hours each in Economics, Political Science, and Sociology; a minimum of 20 hours must be in the upper biennium. Required courses: Economics 51-52, 187; Political Science 57, 58; 131; and Sociology 47, 62. Students planning for Social Work, Public Relations, or Pre-law should consult the chairman for recommended

courses in the cognate area. This major is designed for students wishing to pursue a broad educational program with special emphasis on the social sciences.

Economics Minor Requirements: 18 hours, of which 12 must be in the upper biennium. Required: Economics 51-52.

Political Science Minor Requirements: 18 hours, of which a minimum of 10 must be in the upper biennium. Required: Political Science 57, 58 and 131.

Social Science Minor Requirements: 18 hours, of which a minimum of 8 must be in the upper biennium. The minor should include 6 hours in each of two of the following fields: Economics, Political Science, and Sociology.

ECONOMICS

51-52. Principles of Economics (3-3)

A study of resources and national income formation; agricultural and industrial organization of production; labor organizations; the money and credit system; price theory and allocation of resources; the theory of income distribution; international trade theory; public finance; economic policies and government.

123. Money, Banking, and Credit (3)

The banking system of the United States and its functions. The monetary system; credit and its functions. The relationship of banking, money and credit to business.
Prerequisite: Economics 52.

131. Public Finance (3)

Taxation, public expenditures, debts, and fiscal policy. The role of public finance in prosperity and depression, peace and war. Includes national, state and local taxation.
Prerequisite: Economics 52.

162. Labor Economics* (3)

The development of economic effects of trade unions, including a study of the problems associated with the determination of wages, hours, and working conditions in the American economy; agencies of government, developed to promote equality of bargaining power between labor, management, and the public.
Prerequisite: Economics 52.

141-142. Economics of Business Cycles* (2-2)

The measurement, description, and major theories of cyclical fluctuations in modern industrial economies; evaluation of anticyclical policies recommended by stabilizing prices, employment, and national income.
Prerequisite: Economics 52.

172. Current Economic Problems (2)

Selected economic problems of the national economy critically analyzed and evaluated in terms of recommended policies for their solution.
Prerequisite: Economics 52.

187. Elements of Statistics (3)

Graphic and tabular presentation of quantitative data. Computation of measures of central tendency and dispersion; probability, time-series analysis; simple correlation and index numbers.

POLITICAL SCIENCE

55, 56. United States Constitution* (2, 2)
A study of the development of the Federal Constitution from its early beginnings to 1865. The second semester considers the period from 1865 to the present time. Stress is placed on American institutions in their relation to the Constitution. The second half of this course (56) does not apply on state requirement.

57, 58. National, State, and Local Government (2, 2)
A study of the structure and functions of the national government of the United States. The first semester satisfies the state requirement in United States Constitution. The second semester covers the organization, politics, and administration of state and local government, and also meets the state requirement for California Constitutional Government.

109. English Constitutional History* (3)
(See History 109.)

131. World Politics* (3)
A study of the forces and conflicts operating in international relations and world affairs with special attention given to the foreign policies of the great powers considered from the historical, political, and economic viewpoint.

132. Comparative Government* (3)
A comparative study of the backgrounds, constitutional organization, and activities of the government of England, France, Germany, and Russia.

163, 164. American Diplomatic Relations* (2, 2)
(See History section for description of course.)

165, 166. The Far East in World Affairs (2, 2)
The first semester gives particular emphasis to the study of the political organizations, social practices, and intellectual influences of the Far Eastern countries to the present. An analysis of contemporary internal and international relationships, colonialism, and imperialism is studied in the latter half of the course.

168. Introduction to Political Theory* (3)
A survey of the main currents of political thought from Plato to the present time.

169. Public Opinion and Propaganda* (3)
(See Sociology 169.)

191. Readings in Political Science (2 to 4)
This course is restricted to social science majors with a minimum three-point average in their major. Students do special study in fields specified by the instructor and meet him for regular conferences each week.
Prerequisite: permission of the department.

PSYCHOLOGY

5. General Psychology (3)
(See Education and Psychology section for description of course.)

101. Psychology of Adolescence (2)
(See Education and Psychology section for description of course.)

107. Personality and Mental Hygiene (2)
(See Education and Psychology section for description of course.)

121. Child Growth and Development (2)
(See Education and Psychology section for description of course.)

144. The Exceptional Child (2)
(See Education and Psychology section for description of course.)

178. Abnormal Psychology* (3)
(See Education and Psychology section for description of course.)

SOCIOLOGY

47. Fundamentals of Sociology (3)
An introductory course to survey, analyze, and define materials in the field of social processes, social changes, social forces, and the general relation of culture to society.

62. Sociological Problems (3)
A systematic treatment of the more important contemporary problems including juvenile delinquency, vice, alcoholism, and drug addiction, mental and physical deficiency, and other problems which may be especially prominent before our society at a particular period.
Prerequisite: Sociology 47 or permission of instructor.

74. Marriage and the Family (2)
A study of the factors involved in mate selection, courtship, marital discord and adjustment, and the role of the family in the American way of life.
Prerequisite: permission of the instructor.

123, 124. Principles of Social Welfare (2, 2)
The first half of this course concerns itself with the history of social welfare and the underlying philosophy and principles of modern social work. The organization of social welfare agencies, federal-state-local relationships, and laws are discussed in the second half of the course. Volunteer work in some social agency is recommended.

134. Juvenile Delinquency (3)
A study of the historical background of the problems which involve modern youth in situations basic to sociology; an analysis of the problems themselves; and an evaluation of the remedial measures now in common use. Prerequisite: Fundamentals of Sociology, or General Psychology, or permission of the instructor.

145. Cultural Geography* (3)
A study of the mutual relationship between man and his physical environment, including an analysis of the various human-use regions to develop an understanding as to why such factors as man's food, clothing, shelter, work, and cultural attitudes vary according to his environment.

146. Cultural Anthropology* (3)
The origin, nature, and diffusion of culture is studied, with special attention to contemporary cultures of the world. Prerequisite: Sociology 61.

169. Public Opinion and Propaganda* (3)
A study of the problems and processes in the formation of public opinion and how public action may be organized through the use of propaganda and pressure groups.

191. Readings in Sociology (2 to 4)

This course is restricted to social science majors with a minimum three-point average in their major. Students do special study in fields specified by the instructor and meet him for regular conferences each week. Prerequisite: permission of the department.

CURRICULUM FOR HISTORY MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Beginning Language	3	3
If a student has two units of foreign language among his college entrance credits and wishes to continue the same language in college, he may substitute intermediate language here or choose other electives.		
History of Western Civilization (History 1, 2)	3	3
General Psychology, Sociology, or Geography	3	
Health Principles (Health 59)		2
Applied Arts	2	2
Freshman English (1-2)	3	3
Physical Education (7, 8)	½	½
	16½	15½

SOPHOMORE YEAR

Intermediate Language	3	3
Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
Literature or Speech	3	3
Natural Science (General Education Basic Science 63, 64)	5	5
Physical Education (55, 56)	½	½
	16½	16½

JUNIOR YEAR

Language	1	1
Fine Arts	2	2
Religion	2	2
Speech or Literature	2	
Major Concentration (Upper Division)	5	5
Electives and Cognates	4	6
	16	16

SENIOR YEAR

Major Concentration (Upper Division)	5	5
Electives and Cognates	11	11
	16	16

Students planning to teach history should minor in education.

CURRICULUM FOR SOCIAL SCIENCE MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Intermediate Language	3	3
If a student does not have among his college credits two units of the foreign language which he desires to continue in college, he must also take six hours of beginning language.		
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
General Psychology (Psychology 5)	3	
Fundamentals of Sociology ((Sociology 47)		3
Applied Arts	2	2
Physical Education (7, 8)	½	½
	16½	16½

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
Natural Science (General Education Basic Science 63, 64)	5	5
Health Principles (Health 59)	2	
National, State, and Local Government (Political Science 57, 58)	2	2
Marriage and the Family (Sociology 74)		2
Sociological Problems (Sociology 62)		3
Principles of Economics (Economics 51-52)	3	3
Electives	2	
Physical Education (55, 56)	½	½
	16½	17½

JUNIOR YEAR

Religion	2	2
Literature	2	3
Speech (5)	3	
Fine Arts (57, 58)	2	2
United States Constitution (Political Science 55, 56)	2	2
Language	1	1
World Politics (Political Science 131)	3	
Major Concentration (Upper Division)	2	5
	17	15

SENIOR YEAR

Elements of Statistics (Economics 187)	3	
Major Concentration (Upper Division)	2	5
Electives or Minor	11	11
	16	16

Students planning on social service training should note the "Presocial Work" section among the Special Curriculums toward the back of this Bulletin and consult the department chairman for a recommended curriculum.

IV

EDUCATION

GEORGE T. SIMPSON, *Chairman*

EDUCATION AND PSYCHOLOGY

G. T. SIMPSON (head), MAURICE HODGEN, MAYBEL JENSEN

The Department of Education has as its major purpose the preparation of teachers for elementary, intermediate, and secondary schools. The following courses provide for a selection by the student who is seeking to fulfill the general requirements for the major or minor in Elementary or Secondary Education as specifically stated for each department. General Psychology 5 is a basic requirement to all education and psychology courses except 61 and 162.

La Sierra College is accredited by the California State Board of Education to prepare candidates for the General Elementary Credential.

PSYCHOLOGY

5. GENERAL PSYCHOLOGY (3)

A foundation course designed to help the student understand and explain the behavior of others and thereby be better equipped to predict and control his own life and influence the lives of others. (Not applicable toward an education major or minor.)

54. PERSONAL AND SOCIAL ADJUSTMENT (3)

Orientation in the practical use of psychological principles in problems and circumstances encountered in college and later life. An examination and interpretation of the factors which contribute to personality development.

101. PSYCHOLOGY OF ADOLESCENCE (2)

A course dealing with the most significant problems in adolescent development, with special emphasis upon the psychological principles that govern behavior.

107. PERSONALITY AND MENTAL HYGIENE (2)

A study of the constructive and preventive contributions of education to mental health and personal growth. Emphasis is placed on basic attitudes that influence behavior and on methods of working with these attitudes, individually and in groups, to develop more constructive behavior.

114. EDUCATIONAL PSYCHOLOGY (3)

A study of the physical, mental, emotional, and social growth and development of the child and the adolescent in society. A survey of the various psychological processes important to learning and its direction, with special emphasis on the significance of the principles of psychology in various teaching procedures.

121. CHILD GROWTH AND DEVELOPMENT (2)

A study of the physical, mental, social, and emotional development of the child from infancy through early adolescence together with an analysis of the scientific principles of child psychology, with emphasis upon the characteristics of childhood, the development of language, learning, and social behavior.

144. The Exceptional Child (2)
A study of the determinants, characteristics, problems and adjustments of children who deviate markedly from the norm in their mental, physical, emotional and social aptitudes, traits and tendencies. Educational methods to be used with deviate children are investigated and analyzed. Prerequisite: Psychology 121 or permission.

178. Abnormal Psychology* (3)
The psychology of behavior disorders, with emphasis on origins, symptoms, and treatment of personality disturbances and mental disorders. Prerequisites: Psychology 5, 101 or 121, 107, 155.

EDUCATION

61. Principles of Education (3)
A survey of the basic principles of education.

103. Audio-Visual Methods and Materials (2)
A course designed to acquaint the student with the various audio-visual materials as they affect learning. Development and analysis of materials of instruction; operation and care of equipment.

150. Principles of Guidance (2)
A course devised to emphasize principles, methods, organization, and aims in the educational, vocational, health, and civic-ethical-social guidance of students.

155. Educational Measurements (3)
A study of the principles of educational measurement together with the use, evaluation, and interpretation of tests as they pertain to the elementary and secondary grades.

156. School Administration (3)
A study of the general administrative problems applicable to elementary, junior academy, and secondary school. Finance, public relations, guidance, personnel, curriculum development, and the supervision of extracurricular activities.

162. Philosophy and History of Education (3)
The philosophy and history of sacred and secular educational writings. Emphasis is given to the concepts of representative educational thinkers as their philosophy applies to modern educational thought. (Not open to students with credit in Education 61.)

164. Educational Sociology (2)
A study of significant sociological data, trends and principles which are applicable to educational policies and practice. Special emphasis is placed on relationships between the school and the community and to social backgrounds where functional education is a factor in social change. Fundamentals of Sociology is recommended to precede.

ELEMENTARY TEACHER EDUCATION

Maybel Jensen (head), Mary Groome, and supervising teachers

Major Requirements: A concentration in Education of 38 semester hours in the upper biennium. (See the curriculum outline on page 68.) The basic requirements are the same as for a Bachelor of Arts degree except as indicated below. The four-year curriculum is divided into four areas: General Education, professional subjects in the major field of concentration, content courses in the areas of lesser concentration, and additional requirements necessary for an elem-

tary credential. One lesser area of concentration of 18 semester hours is required in a teaching field; two or more such areas are strongly recommended. Modern language is not required of students who have two units of college entrance credit in one language and select English as an area of lesser concentration. Required courses: Psychology 114, 121, 144; Education 51, 55, 56; 61 or 162; 103; 113; 118; 125, 126; 135, 136; 155; and as directed teaching (12 hours) from 131, 132; 185, 186. Cognates required include art and music, courses selected in consultation with the major professor.

Minor Requirements: 18 hours. Required courses: Education 113; 114; 121; 131 or 132; 135.

51. ARTS AND CRAFTS IN THE ELEMENTARY CLASSROOM (2)
Problems in constructive art and their interpretation in the unit method of organization. Displays for room environment are made appropriate to the social studies and other subject areas.

55, 56. INTRODUCTION TO EDUCATION (Teaching I) (1, 1)
An orientation course for future teachers. A study is made of the work of the teacher and the qualifications needed for teaching. Student activities include reading, discussion, observation, participation and evaluation of classroom activities. Required California statutory tests will be given in this course.

113. ORGANIZATION AND ADMINISTRATION OF THE ELEMENTARY SCHOOL (3)
This course acquaints the prospective teacher with techniques in organizing and managing the modern elementary classroom. Attention will be directed to organization, grouping, pupil progress, classroom records, analysis and treatment of behavior problems, ethics, and community relationships.

118. MUSIC IN THE ELEMENTARY SCHOOL (2)
A study of the methods, materials and instructional aids for the teaching of music in the elementary school with attention to elementary choral and instructional (song flutes, rhythm band) work, use of the radio in music class. The development of fundamental skills and appreciations. (See Music 118.) Prerequisite: Music 1 or equivalent.

125, 126. ELEMENTARY SCHOOL CURRICULUM AND METHODS (2, 2)
A survey of the work of the elementary school in terms of curriculum organization, materials, and methods. The first semester emphasizes the areas of social studies (Bible, history, geography, and civics), and the second semester emphasizes language, arts (English, spelling and handwriting), health, and science.

131, 132. TEACHING II (2, 2)
Student teaching under the direction of an approved supervising teacher. Supplemented by conferences with the supervising teacher, and director of teacher education. No grade below a C is acceptable for credit in student teaching. Prerequisite: Satisfactory achievement in the standard school subjects.

135. READING IN THE ELEMENTARY SCHOOL (3)
A comprehensive consideration of the methods, materials, and instructional aids for teaching reading in the elementary school. Considerable time is given to children's literature. Daily observation and participation, for a semester, in the Demonstration School provides an opportunity for the analysis of individual and group reading problems.

136. Arithmetic in the Elementary School (2)
A comprehensive consideration of the methods, materials and instructional aids for the teaching of arithmetic in the elementary school. Directed observations is provided in the Demonstration School. The student is required to make a grade of B in subject matter.

185, 186. Teaching III (1 to 10, or 1 to 10)
Open only to seniors. The completion of at least one semester in residence. Each basic methods course must carry at least a grade of C for admittance to and continuance of student teaching. Long blocks of time for this course are necessary. The work is directed by a supervising teacher and is supplemented by conferences with the supervising teacher, coordinator, and director of teacher education.

SECONDARY TEACHER EDUCATION

G. T. Simpson (head), Maurice Hodgen, and Supervising Teachers

Minor Requirements: 22 hours, of which a minimum of 12 must be in the upper biennium. In electing courses for a minor in Secondary Education, the student is expected to meet the professional requirements of the state or organization in which he expects certification. This generally includes a minimum of 15 to 18 hours in professional education. Four hours of directed teaching are required. (Six hours of directed teaching are required in a public high school for California State credential.) Required for the minor are courses: 165, 181, and 190. Recommended courses: 61 or 162; 101 or 121; 103; 107 or 150; 114; 155; 164. Speech 111 is suggested as cognate.

165. Principles of Secondary Education (2)
A consideration of the organization, development, objectives, learning activities, evaluation methods, and instructional procedures of the secondary school.

181. Special Methods of Secondary Teaching (3)
The director of student teaching, the prospective supervising teacher, and the major professor collaborate in preparing the student to do directed teaching. The course is a study of the general methods and specific techniques which may be adapted to secondary teaching in the following areas:

Language Arts and Literature	Music
Science and Mathematics	Agriculture
Religion and Social Sciences	Home Economics
Typewriting and Shorthand	Physical Education
	Speech

190. Directed Teaching in the Secondary School (2 or 3, 2 or 3)
A course in which the student teacher observes, participates in class activities, makes lesson plans, and teaches under the supervision of the secondary school supervisor and with the counsel of the head of the college Department of Secondary Education. The student must be recommended by his major professor and accepted by the director of teacher education before registering for this course.
Prerequisites: Secondary Education 165, 181.

120. Music in the Secondary School (2)
(See Music Education 120.)

189. Wind Instrument Materials and Techniques (2)
(See Music Education 189.)

191. VOICE MATERIALS AND TECHNIQUES (2)
(See Music Education 191.)

193. PIANO MATERIALS AND TECHNIQUES (2)
(See Music Education 193.)

195. VIOLIN MATERIALS AND TECHNIQUES (2)
(See Music Education 195.)

CURRICULUM FOR ELEMENTARY EDUCATION (B.S.)

FRESHMAN YEAR	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
General Psychology (Education 5)	3	
Health Principles (Health 59)		2
Applied Arts	2	2
Arts and Crafts (Education 51)		2
Visual Arts	2	
Speech (62 or 71)		2
Physical Education (7, 8)	½	½
	15½	16½

SOPHOMORE YEAR		
Religion (51, 52 or 71, 72)	2	2
General Education Basic Science (Science 63, 64)	5	5
Principles of Education (Education 61)	3	
American History and Institutions (History 91, 92)	3	3
Introduction to Education (Education 55, 56)	1	1
Literature	2	2
Physical Education (55, 56)	½	½
Electives or Cognates		3
	16½	16½

JUNIOR YEAR		
Religion	2	2
Beginning Speech Pathology (Speech 173)	3	
Organization and Admin. of the Elem. School (113)	3	
Child Growth and Development (Education 121)	2	
Music in the Elementary School (Education 118)		2
Reading in the Elementary School (Education 135)	3	
Arithmetic in the Elementary School (Education 136)		2
Elementary School Curriculum and Methods (125, 126)	2	2
Teaching II (Education 131, 132)	2	2
The Exceptional Child (Education 144)		2
Electives		4
	17	16

SENIOR YEAR		
Audio-Visual Materials in Instruction (Education 103)	2	
Educational Measurements (Education 155)	3	
Teaching III (Education 185, 186)	1-4	1-4
Educational Psychology (Education 114)		3
Minors or Electives	7	9
	13-16	13-16

HEALTH, PHYSICAL EDUCATION AND RECREATION

Wm. Napier (head), J. W. Bielicki, Barbara Reel

The Department of Health, Physical Education, and Recreation offers every student an opportunity to participate in a program designed to aid in the development of physical efficiency, healthful living, social cooperation, and intelligent use of leisure time.

It is required of all students to complete successfully 4 semester hours of Health and Physical Education. Two hours of the requirement (in health) may be met by (a) Health Principles or (b) Human Physiology I and II. The remaining hours (in physical education) must be met by (a) one semester of swimming, unless the student can pass required swimming test; (b) one semester (men) medical cadet, unless the student can pass the required test; (c) developmental activities, unless student can pass required test; (d) one semester of individual activities; (e) one semester of team activities.

No student may be excused from the required service program. Students who have physical disabilities are assigned to a program of modified activities as prescribed by their physician.

Major Requirements: 2 hours of Physical Education on the service course level; Physical Education 25, 75, 86; Health 59, 28 hours of upper division, including Physical Education 143, 151, 171, 176, 178, 189, and 12 other hours selected from courses in Health, Physical Education, and Recreation, to a total of 36.

Cognate requirements: Biology 5, 8 or 58; Home Economics 99 or 186; and a minor in Elementary or Secondary Education, including Education 121. Recommended: General Education Basic Science 63, Home Economics 166; Sociology 74.

Students desiring a large spread of teaching subjects may consult their adviser concerning a Bachelor of Science degree.

Minor in Recreation: 20 hours, of which a minimum of 9 must be in the upper biennium. Required courses: Physical Education 75, 143, 189. Related courses in Visual Arts, Music Education, and Applied Arts may apply at the discretion of the chairman.

Minor in Health and Physical Education: 20 hours, of which a minimum of 9 must be in the upper biennium. Required courses: Physical Education 75, 143, 151, 171.

SERVICE COURSES

7, 8. Freshman Physical Education (½, ½)
Required of all freshmen. A variety of activities taught for physical and recreational values. Separate sections for restricted, developmental, elementary physical education, and Medical Cadet activities.

55, 56. Sophomore Physical Education (½, ½)
Same activities as in Physical Education 7, 8. One section is devoted to restricted activity and elementary physical education.

PROFESSIONAL COURSES

5. ANATOMY AND PHYSIOLOGY (5)
(See Biology section for description of course.)

16. MEDICAL CADET SCIENCE (1)
Study in organization of the medical department and basic fundamentals required of the medical soldier.

25. INTRODUCTION TO HEALTH, PHYSICAL EDUCATION, AND RECREATION (2)
Orientation and evaluation of the student's aptitudes and abilities as prospective teachers in health, physical education, and recreation.

27-28. ELEMENTARY GYMNASTICS (½ or 1, ½ or 1)
Permission of the instructor must be obtained before enrolment.

59. HEALTH PRINCIPLES (2)
A study of the principles governing community and personal health and how these principles may be applied successfully to daily living. Special emphasis is placed on denominational standards.

75. PRINCIPLES OF HEALTH, PHYSICAL EDUCATION, AND RECREATION (2)
The principles underlying the educational procedures in the health, physical education, and recreational program. (Physical Education credit only.)
Prerequisite: Physical Education 25.

86. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL (2)
An interpretative study of the functions, purposes, and practices at the elementary school level. Curriculum for grades 1-8.
Prerequisite: Physical Education 25.

87, 88. INTERMEDIATE GYMNASTICS I (1, 1)
For members of the Gymkhana Troupe only.

91-92. THEORY OF OFFICIATING (2-2)
Theory and practices of officiating selected activities in Physical Education. One lecture and one laboratory each week.

127, 128. INTERMEDIATE GYMNASTICS II (1, 1)
For members of the Gymkhana Troupe only.

132. SAFETY AND PREVENTION OF INJURIES (2)
First aid safety measures, bandaging, and massage for the prevention of injuries. One hour lecture and three hours laboratory each week.

141. TECHNIQUES IN FALL TEAM ACTIVITIES * (2)
Class organization, teaching, methods, rules, and skills in the following team activities: soccer, flag-football, basketball (men); soccer, speedball, basketball (women). One hour lecture and three hours laboratory each week.
Prerequisites: proficiency test or course work in the above activities.

142. TECHNIQUES IN SPRING TEAM ACTIVITIES * (2)
Class organization, teaching methods, rules, and skills; softball, volleyball, track and field (men); softball, volleyball (women). One hour lecture and three hours laboratory each week.
Prerequisites: proficiency test or course work in the above activities.

143. Techniques in Aquatics (2)
The development of skills in swimming, with emphasis on teaching methods. One hour lecture and three hours laboratory each week.

151. Health Education (2)
A consideration of the teacher's function in the different phases of the school health program: environment, services, and instruction. Sources of material and methods of coordination between home, school, and community are stressed.

157, 158. Advanced Gymnastics (1, 1)
For members of the Gymkhana Troupe only.

161. Techniques of Co-Recreational Activities (2)
Class organization, teaching methods, rules, and skills in the following activities: skating, badminton, and archery. One hour lecture and three hours laboratory each week.
Prerequisites: proficiency test or work in the above activities.

162. Techniques of Individual Activities (2)
Class organization, teaching methods, rules, and skills in the following activities: golf, tennis, and gymnastics. One hour lecture and three hours laboratory each week.
Prerequisites: proficiency test or work in the above activities.

166. Techniques of the Adaptive Program (2)
Class organization, methods, procedure in developmental, preventive, and corrective measures in teaching the individual needs of students in the adaptive physical education class. This includes the physical examination, corrective exercise, follow-up, and evaluation. One hour lecture and three hours laboratory each week.

171. Administration of Health and Physical Education (3)
The organization and administration of the health and physical education program on the elementary and secondary levels.
Prerequisite: Physical Education 75.

176. Kinesiology* (3)
A study of the principles of human motion. Anatomical and mechanical analysis of everyday and physical education activities emphasizing normal physical development.
Prerequisite: Biology 5.

178. Physiology of Exercise (3)
Physiological changes during muscular activity and their significance in the adaptive program.
Prerequisite: Biology 5.

189. Recreational Leadership (3)
Principles and organization of community recreation with emphasis on recreational leadership. Attention to crafts, music, social programs and outdoor education in coordination with youth organizations and the Master Guide program.

199. Special Problems in Health, Physical Education, and Recreation (1 to 4)
Open only to students in the field of education upon permission of the instructor.

CURRICULUM FOR HEALTH AND PHYSICAL EDUCATION MAJOR

FRESHMAN YEAR	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (1, 2)	3	3
General Psychology (5)	3	
Introduction to Health, Physical Education, and Recreation (25)	2	
Principles of Health, Physical Education and Recreation (75)		2
Nutrition (Home Economics 99)	2	
Microbiology (8)		3
Chemistry (1-2) or Basic Science 63	3	3-5
Applied Arts	2	2
Physical Education (7, 8)	½	½
	17½	15½-17½

If the student does not have two secondary units of college entrance credits in language, he may, to compensate for this deficiency, take six hours in summer school or by extension in Fine Arts, Applied Arts, Literature, Religion, or language. This should be done between the freshman and sophomore years.

SOPHOMORE YEAR		
Religion 51, 52, or 71, 72	2	2
History of Western Civilization (History 1, 2)	3	3
Fine Arts	2	2
Anatomy and Physiology (Biology 5)	5	
Speech (5)		3
Health Principles (59)		2
Intermediate Language	3	3
Physical Education in the Elementary School (86)		2
Physical Education (55, 56)	½	½
	15½	17½

JUNIOR YEAR		
American History and Institutions (History 91, 92)	3	3
Child Growth and Development (Education 120)		2
Principles of Education (Education 161)	3	
Philosophy and History of Education (Education 162)		3
Language	2	
Upper division major electives	7	7
Many physical education classes are offered only in alternate years. Juniors should note preferred subjects and anticipate the year of their availability.		
Electives	2	2
	17	17

SENIOR YEAR		
Religion	2	2
Audio-Visual Materials in Instruction (Education 103)	2	
Special Methods of Secondary Teaching (Education 181)	3	
Observation and Directed Teaching in the Secondary School (Education) 190)		6
Upper division major electives (see above)	7	7
Literature	2	2
	16	17

V

LANGUAGE AND LITERATURE

THOMAS A. LITTLE, *Chairman*

ENGLISH

T. A. LITTLE (head), LILLIAN BEATTY, JANET JACOBS, HELEN LITTLE, LAWRENCE MOBLEY, HAZEL WITTHAUS

The English Department aims to equip the general college student with (a) information and spirit for the profitable enjoyment of literary art and history and (b) efficiency in organizing his thoughts into effective compositions. Additional aims for the English major are scholarship in literature and composition adequate to teaching, and preparation for graduate study in English.

Major Requirements: Thirty hours in addition to English 1-2, with a minimum of 24 in the upper biennium. Prescribed courses: English 61, 62; 105-106; 151, 152; 155-156; and 197-198. 105-106 may be waived by credit in Journalism 55-56 or its equivalent, though only two of the hours of Journalism may apply as English. A related requirement, in addition to the General Education history requirement, is a full-year course in British Civilization (107, 108).

Minor Requirements: 18 hours in addition to English 1-2, with a minimum of 8 in the upper biennium. Prescribed courses: English 51, 52 (or 151, 152); 61, 62; and 105-106. 105-106 may be waived by credit in Journalism 55-56 or its equivalent, though only two of the hours in Journalism may apply as English. History 107, 108 is recommended.

HONORS STUDIES IN ENGLISH. Consult this BULLETIN, page 32, for a description of the Honors Program at La Sierra College. Honors credit in English to the extent of 1 or 2 semester hours is available in each of these courses: 151-H, 152-H, 156-H, 160-H, 165-H, 168-H, 170-H, 174-H, 183-H, 184-H.

EF. ENGLISH FOR FOREIGNERS (0)

A non-credit class for those who need accelerated drill in the basic structure and idiom of English.

OA. FUNCTIONAL GRAMMAR AND LANGUAGE ELEMENTS (0)

A concentrated non-credit review course prerequisite to English 1-2 for all students who do not pass the English Placement Test. Fee: $20.

1-2. FRESHMAN ENGLISH (3-3)

A beginning course in college English, stressing assignments in diction, sentence structure, paragraph writing, and compositional organization. Blended with the serious writing is an introduction to literature, with particular attention to literary types and their ways of gaining effectiveness. English 1-2 is prerequisite to any other course in English.

51, 52. AMERICAN LITERATURE (2, 2)

A study of the more important aspects of the history of American literature and of the typical work of the significant authors from the seventeenth century to about 1900.

61, 62. English Literature Survey (3, 3)
An outline study of the history of English literature and of the more significant works from Beowulf to about 1900.

105-106. Advanced Composition (2-2)
Advanced study of the principles of effective composition; practice in creative writing by types.

110. Survey of Linguistics and Grammar (2)
Divided between the history of the language and a study of current grammar. Not for those who need a course in basic grammar. Not applicable on the literature requirement for the Bachelor's degree.

113, 114. Western World Literature (2, 2)
Reading and study of selected literary monuments of Western culture. The second semester carries no credit to English majors or minors or to others who have credit in English 62.

116. Twentieth Century Literature * (2)
A study of distinctive literature since 1900, with particular attention to works that reveal the taste and temper of the time.

151, 152. American Literary Masters (2, 2)
Extensive study of selected major writers significant in American literary history. (Students who have had other courses in literature and are well prepared in American history are eligible for this course.) No credit to those with credit in English 51, 52.

155-156. Old and Middle English (3-3)
The Old English is studied in translation. The Middle English, mostly Chaucer's works, is studied in the original.

160. Milton (2)
The works of John Milton, all of the poetry and the more significant prose, studied in the light of the historical and literary setting.

161, 162. Literature of the English Rennaissance * (2, 2)
The first semester is devoted to the great non-dramatic poetry from 1550 to 1650. The second semester has to do with prose.
Prerequisite: English 61.

164. Literature of Neo-Classicism * (3)
A study and evaluation of the works of the leading writers in the Neo-Classic tradition.
Prerequisite: English 61.

165. The Romantic Poets (3)
This course traces the Romantic ascendancy through the dominant works of the leading pre-Romantic and Romantic poets in the approximate century 1730-1830.
Prerequisite: English 62.

168. The Victorian Poets (3)
A study of the works of Victorian poets from Tennyson to Hardy as a reflection of the ideals and temper of the period 1830-1900.

170. The English Bible as Literature (3)
A study of the Bible as literary art among the world's supreme masterpieces. This course applies on the English major or minor but not on the first four hours of the general literature requirement for the Bachelor of Arts degree.
Prerequisite: One semester of English or American literature.

174. Nineteenth Century Prose (2)
A study of the leading social-philosophic and literary prose of the nineteenth century in order to understand and evaluate the main cultural and intellectual developments of the time.

CURRICULUM FOR ENGLISH MAJOR

FRESHMAN YEAR	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Beginning Language (French or German recommended) (Not required of those who present two units of college entrance in the chosen language.)	3	3
General Psychology (5)	3	
Applied Arts	2	2
Elective		3
Physical Education (7, 8)	½	½
	16½	16½
SOPHOMORE YEAR		
English Literature Survey (English 61, 62)	3	3
Religion (51, 52 or 71, 72)	2	2
General Education Basic Science (Science 63, 64)	5	5
American History and Institutions (History 91, 92)	3	3
Intermediate Language	3	3
Physical Education (55, 56)	½	½
	16½	16½
JUNIOR YEAR		
American Literary Masters (English 151, 152)	2	2
News Writing (Journalism 55-56 or Advanced Composition 105-106)	2	2
Upper Division English (Old and Middle English, a prescribed subject, and some other upper division classes are offered only in alternate years; juniors should note preferred subjects and anticipate the year of their availability.)	3-6	3-6
Speech		3
Health Principles (Health 59)	2	
British Civilization (History 107, 108) (Offered only in alternate years; juniors may anticipate this as a senior subject when it is not available in their junior year.)	2	2
Language (143-144 recommended)	1	1
Elective	2	2
	14-17	15-18
SENIOR YEAR		
English Major Conference (English 197-198)	1	1
Fine Arts	2	2
Upper Division English	6	6
Upper Division Religion	2	2
Electives	5	5
	16	16

183, 184. DRAMATIC LITERATURE (3, 3)

A carefully selected sequence of dramatic classics from Aeschylus to Ibsen, studied to reveal their literary values and cultural attitudes. More than half the time is given to Shakespeare.

197-198. ENGLISH MAJOR CONFERENCE (1-1)

An integreting group study required of English majors in the senior year and recommended to minors. Only majors and minors in the department are admitted.

JOURNALISM

T. A. LITTLE

Minor Requirements: Eighteen hours selected in conference with the adviser, 8 of which must be in the upper biennium. To qualify for a minor in this field the student must have a broad cultural spread in general college studies, including among his prescribed and elective courses, history, political science, sociology, economics, business, typewriting, and one full year in each of American and English literature. A thorough mastery of English fundamentals is expected of all taking Journalism courses. Printing courses taken for applied art credit or in a trade school (not for B.A. credit) are cognate requirements for a journalism minor, but may be waived by an adequate apprenticeship in the type room of a good printing concern.

55-56. NEWS WRITING (2-2)

The writing of news, features, and interviews for the daily press, with practical experience in the use of newspaper style and technique.

108. PUBLIC ADDRESS REPORTING (2)

Specialized practice in reporting sermons, speeches, public meetings, and interviews according to good newspaper formulae. Enrolment restricted to those who have demonstrated proficiency in Journalism 55-56.

120. PRESS RELATIONS AND PUBLICITY TECHNIQUES* (2)

Lectures, readings, and directed observation and practice designed to familiarize the student — from the viewpoint of the newspaper as well as of the public relations office — with the problems of desirable reactions to honest and competent publicity.
Prerequisites: Journalism 55-56 and at least one other newspaper theory course, 149 recommended.

125-126. COPY-DESK EDITING (1-1)

A practice course for those who have shown competence in 55-56. The work involves laboratory projects in copy-reading, rewriting, headwriting, proofreading, make-up, and feature production.

130. HISTORY AND ETHICS OF JOURNALISM* (2)

History of Journalism from about 1620 down to the present time with parallel attention to the principles that guide the best newspapers.

149. NEWSPAPER PROBLEMS (2)

A study of the politics and practices of the better weekly and small daily newspapers as to news content, editorial, advertising, circulation, costs. Part of the work will be in the form of research or experience in a newspaper plant of the type considered in the course.

SPEECH

W. F. Tarr (head), Donald Dick

Since a speaker must be an able person, the specific objective of the Speech Department is to prepare students to be competent to observe, listen, and evaluate and in turn to transmit their thoughts, attitudes and feelings effectively to others, whether it be from the public platform, radio studio or in the social group. The curriculum is designed to promote the personal, social and intellectual growth of the individual through a thorough grounding in the principles and techniques of various disciplines of oral communication. It provides a foundation for the selection, evaluation and organization of data, ideas, and opinions; the processes of presentation; the understanding of the listener's role in the speech situation; and professional study of the mass media of public address, radio and television.

In addition to the general speech curriculum, the department offers specialized courses in speech therapy. The student who desires training in this area may select a speech major with emphasis in speech therapy, or he may prepare for the credential to teach speech correction.

Building and Equipment. The Communication Arts Building, which houses the Speech Department, contains the following facilities: studios, control room and music library for KNFP, the 1700-watt educational broadcasting station operated by the College for training student broadcasters and radio technicians; speech auditorium and classrooms; speech and hearing clinic; speech practice rooms equipped with tape recorders; and offices and reception room.

Speech and Hearing Clinic. The Speech and Hearing Clinic serves an extensive community and provides practical experience for students in speech therapy. By arrangement with the head of the Speech Department, audiometric testing and clinical assistance are available to students with speech and hearing defects. A fee is charged for clinical services.

Major Requirement, Emphasis in Public Address: 32 hours, of which 18 must be in the upper biennium. Required courses: 5 or 71, 62, 85-86, 91, 142, 143, 173. A second major in a cognate field is strongly advised.

Minor Requirement, Emphasis in Public Address: 20 hours, 10 in the upper biennium. Required courses: 5 or 71, 85-86.

Major Requirement, Emphasis in Speech Therapy: 30 hours, 18 of which must be in the upper biennium. Required courses: 5 or 71, 62, 91, 121, 173, 174, 176, 181, 182. The following from the Department of Education should be included in the curriculum: 5, 144, 150, 178.

Minor Requirement, Emphasis in Speech Therapy: 20 hours, including 5 or 71, 91, 121, 173, 174, 176. The following courses from the Department of Education should be included in the curriculum: 5, 144.

GENERAL SPEECH

5. Fundamentals of Speech (3)
Practical training in oral communication of ideas to others, including vocabulary building; self-appraisal and the evaluation of the speech of others. Offered either semester.

62. Oral Interpretation (2)
Practice in oral reading of poetry and prose, with suggestions for public presentation in a unified and spontaneous response of voice and body.

71. Beginning Public Address (2)
The basic principles of public address, with emphasis on more advanced forms than those presented in 5. Offered either semester. Prerequisite: English 1-2.

81, 82. Individual Instruction (1, 1)
Private work with an instructor designed to improve general speech habits. Limited to majors and minors in the Speech Department.

85-86. Fundamentals of Broadcasting (3-3)
Orientation to and evaluation of various aspects of radio, including history, social significance, traffic and programming; practice in the preparation and broadcasting of various types of programs; field trips to nearby studios. Two hours of class instruction and one three-hour laboratory each week.

91. Voice and Diction (2)
A study and practice of the principles of correct use of the voice, articulation, the elimination of throat fatigue.
Prerequisite: 2 hours of speech or permission of the department.

101. Program Planning and Production (3)
A study of the philosophies, standards, methodologies, and techniques of planning and producing secular and sacred programs. Designed to meet the needs of future lay or professional leaders. Two hours of class instruction and two hours laboratory each week, planning and producing programs for on-campus and off-campus appointments.

111. Public Procedure (2)
The principles and practice of parliamentary law.

121. Phonetics* (2)
The international phonetic alphabet and its application to speech correction and to adequate pronunciation.
Prerequisite: 2 hours of speech.

132. Oral Interpretation of the Bible* (2)
Effective oral reading of the Scriptures, with considerable practice in platform presentation. Prerequisite: 2 hours of speech.

137. Radio — TV Production (2)
Production and direction of various types of radio and television broadcasts.
Prerequisite: Speech 85-86 or equivalent.

142. Persuasive Speaking (3)
Practice in securing acceptance of ideas with logical and emotional appeals. Prerequisite: Speech 5 or 71 or equivalent.

143. Principles of Discussion* (3)
Principles and practice of group investigation of problems with a view to their solution by means of mutual comparison and evaluation of pertinent ideas.

152. Advanced Public Address (3)
Specialized forms of public address with development of maximum effectiveness in platform techniques. The course will include a study of classical and modern orators.
Prerequisite: Speech 5 or 71.

195, 196 Special Problems (1, 1)
Directed reading and research in speech problems.

SPEECH THERAPY

Completion of the following courses qualifies the student to teach exceptional children in elementary and secondary schools (area of specialization: speech correction and lip reading in remedial classes). The work is offered only in connection with general teaching preparation: elementary, kindergarten-primary, junior high, secondary.

121. Phonetics (2)
(For description of course, see under General Speech.)

144. The Exceptional Child (2)
(See Education 144.)

150. Principles of Guidance (2)
(See Education 150.)

173. Beginning Speech Pathology (3)
Development of natural speech. Basic functional disorders of speech, with methods for their prevention and correction.

174. Advanced Speech Pathology (3)
Etiology and treatment of organic speech disorders such as cleft palate, aphasia, and cerebral palsy.
Prerequisite: Speech 173.

176. Teaching of Lip Reading (2)
Theory and methods of lip reading; practice in presenting exercises in basic procedures. Analytic and synthetic approaches. (Offered summers only.)
Prerequisite: Speech 121.

181. Clinical Methods in Speech Correction (2)
Supervised observation of and counselling in methods of speech corrective work with school age children; construction of materials and equipment applicable to speech therapy.
Prerequisites: Speech 173, 174.

182. Clinical Practice in Speech Correction (2)
Correction of speech defects under supervision; training in taking case histories, coordinating related findings, and conferring with parents and teachers.
Prerequisites: Speech 173, 174, 181.

183. HEARING CONSERVATION AND AUDIOMETRY (2)
The nature of hearing and hearing loss; measurement and interpretation of reduced acuity; hearing conservation and education; auditory training and hearing aids. (Offered summers only.)

184. DIRECTED TEACHING IN SPEECH CORRECTION (4)
(See Education 190.)

CURRICULUM FOR SPEECH MAJOR
(GENERAL SPEECH)

	First Semester	Second Semester
FRESHMAN YEAR		
Fundamentals of Speech (Speech 5)	3	
Freshman English (1-2)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
General Psychology (5)		3
Beginning Language (Not required of those who present two units of college entrance in the chosen language.)	3	3
Applied Arts	2	2
Physical Education (7, 8)	½	½
	16½	16½
SOPHOMORE YEAR		
Fundamentals of Broadcasting (Speech 85-86)	3	3
Voice and Diction (Speech 91)	2	
Religion (51, 52 or 71, 72)	2	2
Oral Interpretation (Speech 62)		2
Basic Science (Science 63, 64)	5	5
Intermediate Language	3	3
Physical Education (55, 56)	½	½
	15½	15½
JUNIOR YEAR		
Public Procedure (Speech 111)	3	
Persuasive Speaking (Speech 142)		3
American History and Institutions (History 91, 92)	3	3
Literature	2	2
Health Principles (Health 59)		2
Fine Arts (57, 58)	2	2
Beginning Speech Pathology (Speech 173)		3
Speech or Cognate Electives	6	1
	16	16
SENIOR YEAR		
Religion	2	2
Principles of Discussion (Speech 143)	3	
Speech Electives		3
Literature	2	2
Cognate Electives	9	9
	16	16

CURRICULUM FOR SPEECH MAJOR
(SPEECH THERAPY)

FRESHMAN YEAR

	First Semester	Second Semester
Fundamentals of Speech (Speech 5)		3
Freshman English (1-2)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Beginning Language (Not required of those who present two units of college entrance in the chosen language.)	3	3
General Psychology (5)	3	
Fine Arts (57, 58)	2	2
Physical Education (7, 8)	½	½
	16½	16½

SOPHOMORE YEAR

Voice and Diction (Speech 91)	2	
Oral Interpretation (Speech 62)		2
Religion (51, 52 or 71, 72)	2	2
General Education Basic Science (63, 64)	5	5
Intermediate Language	3	3
Health Principles (59)	2	
Applied Arts	2	2
Elective		2
Physical Education (55, 56)	½	½
	16½	16½

JUNIOR YEAR

Beginning Speech Pathology (Speech 173)	3	
Advanced Speech Pathology (Speech 174)		3
American History and Institutions (History 91, 92)	3	3
The Exceptional Child (Psychology 144)	2	
Principles of Guidance (Education 150)		2
Literature	2	2
Hearing Conservation and Audiometry (Speech 183)	2	
Lip Reading (Speech 176)		2
Phonetics (Speech 121)	2	
Electives	2	4
	16	16

SENIOR YEAR

Clinical Methods in Speech Correction (Speech 181)	2	
Clinical Methods in Speech Correction (Speech 182)		2
Directed Teaching in Speech Correction (Speech 184)	2	2
Language (143-144)	1	1
Religion	2	2
Abnormal Psychology (Psychology 178)		3
Electives (including Speech)	9	5
	16	15

MODERN LANGUAGES

The objectives of this department are to equip the major with the necessary tools to enter professions requiring foreign language and to prepare him for graduate study. The aim is to develop the student's ability to reason inductively, to give him a deeper insight into his mother tongue, to arouse in him an awareness and appreciation of his cultural heritage, and to stimulate his interest in the foreign mission program of the church.

In fulfilling his language requirements, the student should be aware that a reading knowledge of either French or German will be required of him on Master's degree work, and quite probably both French and German on a Ph.D. program.

Before enrolling in a Modern Language course numbered 100 or above, a student must have completed 12 to 14 hours, or the equivalent, of one language. Education 181 and 190 are recommended for students planning to teach a language.

Honors Studies in French. Consult this Bulletin, page 32, for a description of the Honors Program at La Sierra College. Honors credit in French to the extent of 1 or 2 semester hours is available in each of these courses: 141-H, 142-H, 151-H, 152-H.

ROMANCE LANGUAGES

Margarete Hilts (head), Grace Alvarez

FRENCH

Major Requirements: 30 hours in addition to French 3-4 or the equivalent, of which a minimum of 24 hours must be in the upper biennium. These must include 131, 155, 156. Required cognates: English or Western World literature, 4-6 hours; speech 3-4 hours.

Minor Requirements: 18 hours above the beginning course or its equivalent, of which a minimum of 9 must be in the upper biennium, including 131. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than French.

3-4. Beginning French (3-3)
An introductory study of grammar, pronunciation, reading, composition, with oral practice. Laboratory time required, three one-hour periods a week.

51. Introduction to French Reading (3)
A beginning French course designed specifically for students desiring to acquire a reading knowledge of French. Open only to college graduates or to students who have completed twelve semester hours or the equivalent of another language.

53-54. Intermediate French (3-3)
A continuation of 3-4. A review of grammar with readings from French authors. Prerequisite for French 155, 156.
Prerequisite: French 3-4 or equivalent.

57, 58. Reading of French Masterpieces (2, 2)
Reading and discussion of selected works in French literature. May be taken concurrently with French 53-54.

101, 102. Vocabulary Building (2, 2)
Designed to enlarge the student's vocabulary, mainly through oral use.

123, 124. Outline History of French Literature (3, 3)
Literary landmarks from La Chanson de Roland to the 19th century. Special stress on the 17th century.

131. Pronunciation (2)
A thorough study of the fundamental principles of French pronunciation.

141. Romanticism* (2)
Through the study of leading pre-Romantic and Romantic authors, this course traces the development of the Romantic movement from its beginnings to approximately 1850.

142. Modern French Writers (2)
The development of realism, symbolism and other literary movements of the latter part of the nineteenth century as manifested in the principal writers of the period.

143-144. Reading French (1-1)
Readings in French in the student's major field, readings chosen in conference with the major professor and the language professor.

151, 152. Contemporary Writers (3, 3)
A study of selected twentieth century authors who reflect the current French temperament.

155, 156. Advanced Composition (2, 2)
Further study of grammar and idiomatic expressions with translations of literary works from English into French. Both semesters are required of majors and are recommended for minors.
Prerequisite: French 53-54.

SPANISH

Minor Requirements: 18 hours above the beginning course, or its equivalent, of which a minimum of 9 must be in the upper biennium, including 131, 132; 145, 146. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than Spanish.

53-54. Intermediate Spanish (3-3)
A continuation of 3-4. Grammar review, oral practice; readings from Spanish and Hispanic American authors.
Prerequisite: Spanish 3-4 or the equivalent.

67, 68. Reading of Spanish Authors (2, 2)

131. Advanced Composition and Conversation (2)
Recommended for teaching minors.

132. Advanced Grammar and Composition (2)
Recommended for teaching minors.

143-144. Reading Spanish (1-1)
Readings in Spanish in the student's major field, readings chosen in conference with the major professor and the language professor.

145, 146. OUTLINE HISTORY OF SPANISH LITERATURE* (3, 3)

Literary landmarks from the Middle Ages through the contemporary period with emphasis on the authors of the Golden Age and of the nineteenth century.

149. SPANISH CIVILIZATION (2)

A survey of the physical, racial, historical, and artistic elements which have influenced and molded Spanish civilization and culture, and their influence on the cultures of the world.

161, 162. HISPANIC AMERICAN LITERATURE (2, 2)

A survey of the trends in Hispanic American literature from its beginnings to contemporary times with emphasis on Dario, Bello, Palma, and others.

CURRICULUM FOR FRENCH MAJOR

	First Semester	Second Semester
FRESHMAN YEAR		
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Beginning French (French 3-4) (Not applicable to those who have college entrance in the same language.)	3	3
General Psychology (5)	3	
Health Principles (Health 59)		2
Applied Arts	2	2
Elective		1
Physical Education (7, 8)	½	½
	16½	16½
SOPHOMORE YEAR		
Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
Intermediate Language	3	3
General Education Basic Science (Science 63, 64)	5	5
English Literature or Speech	2-3	2-3
Physical Education (55, 56)	½	½
	15½-16½	15½-16½
JUNIOR YEAR		
Upper Division French (A student in the junior year should take note that many of the upper division French classes are offered only in alternate years, and he should therefore, in consultation with the chairman of his department arrange his study list accordingly.)	5	5
Religion	2	2
Fine Arts	2	2
Pronunciation (French 131)	2	
English Literature or Speech	2	2
Electives	3	5
	16	16
SENIOR YEAR		
Upper Division French	7	5
Electives	9	11
	16	16

GERMAN

Kaljo Magi

Major Requirements: 30 hours in addition to German 3-4 or the equivalent, of which a minimum of 24 hours must be in the upper biennium. These must include 107, 108, 110. Required cognates: English Literature Survey, 6 hours; speech, 4 hours (71, 121).

Minor Requirements: 18 hours above the beginning course, or its equivalent, of which a minimum of 9 hours must be in the upper biennium, including 107. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than German.

3-4. Beginning German (3-3)
A study of the fundamentals of grammar, drills in verbs and pronunciation, reading of simple prose. Laboratory time required, three one-hour periods a week.

53-54. Intermediate German (3-3)
A review of grammar with special emphasis on idioms; reading of German prose to furnish a background of life, culture, and geographical aspects of Germany.
Prerequisite: 3-4 or equivalent.

105. Scientific German (2)
A course especially intended for students who plan to enter the field of science or medicine. A grammatical analysis from the standpoint of peculiarities of scientific German. Readings to acquaint the student of science or medicine with vocabulary, style, and subject matter in his field.

107. German Conversation (2)
Intensive practice in German pronunciation; stresses fluent and correct use of vernacular conversation based upon everyday life and events.

108. German Composition (2)
A brief review of grammar; practice in writing compositions of various types.

110. The Principles of Linguistic Science (2)
A comparative historical and descriptive study of languages and language families of Europe. Intended either for prospective teachers of languages or for those who are interested in the relationship and development of linguistic systems. (Offered for all students of modern languages, including English.)

135, 136. Outline History of German Literature (3, 3)
A study of the main currents of German literature from its beginnings to 1900. Readings, based on a German text, include selections of the works of representative authors of the periods studied.

141. Romanticism (2)
A study of German Romanticism — and its chief exponents.

142. Classicism (2)
A selective study of the works of Goethe, Schiller, Lessing, and their contemporaries.

143-144. READING GERMAN (1-1)

Readings in German in the student's major field, the readings to be chosen in conference with his major professor and the language professor. May be taken during the junior year or senior or both.

145. REALISM (2)

A study of German authors during the period of 1830-1890.

151, 152. CONTEMPORARY LITERATURE (3, 3)

A study of selected authors since 1900.

CURRICULUM FOR GERMAN MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Beginning German (3-4) (Not applicable to those who have college entrance in the same language.)	3	3
General Psychology (5)	3	
Health Principles (Health 59)		2
Applied Arts	2	2
Elective		1
Physical Education (7, 8)	½	½
	16½	16½

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
Intermediate German (53-54)	3	3
General Education Basic Science (Science 63, 64)	5	5
English Literature Survey (61, 62)	3	3
Physical Education (55, 56)	½	½
	16½	16½

JUNIOR YEAR

Upper Division German (A student in the junior year should take note that many of the upper division German classes are offered only in alternate years, and he should therefore, in consultation with the chairman of the department, arrange his study list accordingly.)	6	6
Religion (171, 172 recommended)	2	2
Fine Arts	2	2
Speech (71, 121)	2	2
Electives	4	4
	16	16

SENIOR YEAR

Upper Division German	7	5
Electives (English 155-156 recommended)	9	11
	16	16

VI

MUSIC AND ART

Harold B. Hannum, *Chairman*

GENERAL EDUCATION FINE ARTS

57. Introduction to Visual Arts (2)
A basic general education course in understanding painting, sculpture, architecture and other arts. Given each semester.

58. Introduction to Music (2)
A basic general education course in understanding music and elementary principles of aesthetics underlying all the arts.

These courses are required of all candidates for the B. A. degree. Substitutions, on the basis of equivalent information, may be approved only on recommendation of the chairman of the division.

MUSIC

H. B. Hannum (head), Perry Beach, Frances Brown, H. A. Craw, Edna Farnsworth, J. T. Hamilton, Eugene Nash, Alfred Walters

The objectives of this department are to give students an understanding and appreciation of the musical heritage of man; to aid the student in acquiring knowledge, techniques, and skills necessary for performers, composers, teachers, singing evangelists, and church musicians; to provide cultural and artistic activities for leisure time, such as group music experiences and intelligent listening to music.

Major Requirements: 40 hours, of which a minimum of 24 must be in the upper biennium. Required courses: Theory I 5, 6; Theory II 51, 52; Counterpoint 107, 108; History of Music 111, 112; History of Church Music 113, 114; 8 hours in *one* field of applied music. Electives from courses 21, 22; 55, 56; 121, 122; 155, 156; 190; 101, 115, 116; 123, 125, 126; 63; 196, 197-198; 199.

Specific study programs will be arranged in consultation with the staff. A student majoring in music may apply a maximum of 50 hours in music toward a Bachelor of Arts degree.

Minor Requirements: 18 hours, of which a minimum of 6 must be in the upper biennium. Required courses: Theory I 5, 6; History of Music 111, 112. Eight hours are to be selected from the courses listed above under major requirements.

Honors Studies in Music. Consult this Bulletin, page 32, for a description of the Honors Program at La Sierra College. Honors credit in Music to the extent of 1 or 2 semester hours is available in each of these courses: 107-H, 108-H, 111-H, 112-H, 115-H, 116-H, 123,-H, 125-H, 126-H, 196-H.

BACHELOR OF MUSIC EDUCATION

The curriculum leading to the degree Bachelor of Music Education is offered for those interested in the field of music teaching. This curriculum gives a student concentration (16 hours) in one field

of applied music with supplementary instruction in the remaining fields of applied music. Emphasis is given to the technique and practice of teaching music. A 40-48 hour requirement in general college courses provides a basis for general culture.

Required:

1. General Education and Basic Completion courses as follows: Religion, 12-14 hours (4 hours upper division); English, 10 hours, including 4 hours literature; History of Western Civilization, 6 hours; Basic Science, 8-10 hours, Physical Education and Health, 4 hours; Introduction to Visual Arts, 2 hours.
2. Musicianship (32 hours): Theory I and II, Form and Analysis, Counterpoint, Music Composition, Orchestration, History of Music, Conducting Technique.
3. Applied Music (30 hours): 16 hours in one instrument or voice, including courses 21, 22, 55, 56, 121, 122, 190; 2 hours in voice, 2 hours in piano; Courses 91, 92, 93, 94, 95, 96, organizations and/or ensembles 4-6 hours.
4. A minor in Education, 20 hours, including courses 118, 120, and *one* of the following: 189, 191, 193, 195.

Total course hours, 128, 40 hours of which are to be upper division. All courses in the department except 15, 16 and 1 may be counted toward the Bachelor of Music Education degree.

APPLIED MUSIC

Private half-hour lessons are given in piano, organ, voice, violin, and orchestral and band instruments. Students may take applied music with or without credit.

College credit in applied music is granted on the following basis:

1. One or two half-hour lessons a week.
   (Students desiring more than one hour of credit per semester must take two half-hour lessons a week. Students taking one half-hour lesson a week are expected to take a minimum of 15 lessons per semester; and those taking two half-hour lessons a week are expected to take a minimum of 30 lessons per semester.)
2. Three to five hours of practice per week for each hour of credit.
3. A passing grade in a satisfactory semester examination.
4. Participation in public recitals as requested by the instructor.

REGULATIONS ON APPLIED MUSIC

Credit in applied music in excess of four hours must be supplemented by an equal number of hours in Theory or Music History.

The maximum amount of credit in applied music allowed on the Bachelor of Arts degree for non-music majors is 8 hours; for music majors taking the Bachelor of Arts degree, 16 hours.

Students pursuing the Bachelor of Music Education degree must take two lessons a week in their major field of applied music.

Students in applied music must secure the approval of their instructor before performing in public.

At the semester examinations in applied music, each student must demonstrate sufficient advancement in technique and musicianship to

satisfy the examiners. The examination will consist of at least one number from memory and one or two other numbers of a diversified nature together with technical exercises.

Applied music courses may be repeated for credit until the maximum of eight hours is reached. Students must satisfy their teacher and examiners as to the extent of repertoire covered.

Students earning 16 hours in applied music are required to complete the level of attainment of the applied music courses 21, 22 and 55, 56.

Students fulfilling the requirements for the Bachelor of Music Education degree are required to complete the level of attainment of the applied music courses 21, 22; 55, 56; and 121, 122.

Students earning 16 hours in applied music are required to give a recital of acceptable merit in their senior year.

Transfer students majoring in music must take a minimum of 4 hours in applied music (major field) at La Sierra College.

15, 16. Preparatory Applied Music (1 to 2, 1 to 2)

Credit in this course may not be applied on a major or minor in music or on the applied music requirement of the Bachelor of Music Education degree. It may apply toward college elective requirements.

21, 22. Applied Music (First Year) (1 to 4, 1 to 4)

55, 56. Applied Music (Second Year) (1 to 4, 1 to 4)

91, 92. String Instrument Class (1, 1)

A study of the string instruments of the orchestra to give students an understanding of the basic elementary technique of each.

93, 94. Woodwind Instrument Class (1, 1)

An introductory study of the orchestral woodwind instruments.

95, 96. Brass Instrument and Percussion Class (1, 1)

An introductory study of the orchestral brass and percussion instruments.

121, 122. Applied Music (Third Year) (1 to 4, 1 to 4)

155, 156. Applied Music (Fourth Year) (1 to 4, 1 to 4)

190. Senior Recital (1)

The presentation of a creditable public recital approved by the music faculty.

THEORY

1. Elements of Music (2)

The study of the rudiments of music, diction, sight-singing and ear-training. Primarily for students without any previous music training. This course may count only as a college elective and may not be counted on a major or a minor or toward the Bachelor of Music Education requirements.

5, 6. Theory I (3, 3)

A thorough study of the fundamentals of musicianship, including four-voice part writing of triads, diatonic modulation, non-harmonic tones. Emphasis on correlated ear-training and keyboard harmony. Four class periods a week.
Prerequisite: Theory 1 or its equivalent.

51, 52. Theory II (3, 3)

A continuation of the study of harmony, including four-voice part writing of triads, seventh chords, altered chords, chromatic modulation. Continued emphasis is given to correlated ear-training and keyboard harmony. Four class periods a week.
Prerequisite: Theory 5, 6.

101. Music Form (3)
An analytical course including a study of the smaller forms through the sonata and rondo forms and the contrapuntal forms.
Prerequisite: Theory 5, 6.

107, 108. Counterpoint (2, 2)
A study of the polyphonic styles of the 16th and 18th centuries, with practice in writing two- and three-part motets and inventions.
Prerequisite: Theory 5, 6.

115, 116. Music Composition I (2, 2)
Practice in writing original compositions in the smaller forms. Emphasis is placed on 20th century compositional techniques.
Prerequisites: 51, 52.

125, 126. Music Composition II (2, 2)
Advanced composition in the larger forms, with opportunity for orchestrating one's composition. Music 123 should be taken previously or concurrently.
Prerequisites: 51, 52, 107, 108, 115, 116.

123. Orchestration (2)
A study of the instruments of the orchestra; arranging music for the orchestra. Prerequisites: Theory 51, 52.

MUSIC HISTORY AND LITERATURE

63. Music Literature (2)
A study of significant music from the time of Bach to the present to develop an understanding of music frequently performed today. Directed listening to recordings. Given either semester.

111, 112. History of Music (3, 3)
A chronological study of the various periods in the development of music from the earliest times to the present.
Prerequisite: Theory 1 or equivalent.

113, 114. History of Church Music (2, 2)
A study of music and its relation to the church from the time of Hebrew music to the present. Emphasis upon hymns and hymn-tunes and the place of music in worship.

196. Aesthetics (2)
A study of the principles of aesthetics and the aesthetic experience involved in the creation and understanding of the various arts.

197-198. Introduction to Musicology (1-1)
An introduction to various fields of musical knowledge and research to prepare a student for graduate study in music.
Prerequisites: Theory 51, 52; 58; and the approval of the instructor.

199. Advanced Music Projects (1 or 2)

CONDUCTING

60. Elementary Conducting (2)
Fundamental rules and practice in conducting congregational singing. The practical use of music in the church and in evangelism. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.) Prerequisite: Theory 1 or equivalent.

132. Conducting Technique (2)
The study of the principles of conducting, score reading, and methods in rehearsals. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

MUSIC EDUCATION

118. Music in the Elementary School (2)
(May be counted only toward a Bachelor of Music Education degree, or as a college elective. See Elementary Teacher Education 118.) Prerequisite: Theory 1 or equivalent.

120. Music in the Secondary School (2)
A study of the various music activities carried on in the secondary schools, including curriculum, organization, and administration of choral, instrumental, and general music classes.

189. Wind Instrument Materials and Techniques (2)
A survey of the best materials and methods for teaching the wind instruments. (May be counted only toward a Bachelor of Music Education degree, or a college elective.)

191. Voice Materials and Techniques (2)
A survey of the best materials and methods of teaching voice and directing choral organizations. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

193. Piano Materials and Techniques (2)
Piano teaching problems and methods. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)

195. Violin Materials and Techniques (2)
Violin teaching and the organization of instrumental groups. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)

ORGANIZATIONS

An organization may be repeated once only for credit. Not more than a total of six hours of credit in organizations may be applied toward a Bachelor of Arts degree.

71, 72. The Concert Band (1, 1)
Membership is open to all students of band instruments. A limited number of college-owned instruments can be rented each semester. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

73, 74. The College Choir (1, 1)
The College choral organizations are open to singers who qualify for membership. Representative works of the masters of choral composition, both sacred and secular, are studied and performed. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

75, 76. The Concert Orchestra (1, 1)
This organization aids in developing a sense of time and musicianship and offers worth-while opportunity for students of musical instruments in a symphony orchestra. Classical and light music are studied and played each semester. Membership is open to all students who qualify after a conference with the director. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

77, 78. Ensemble Music (1, 1)
Instrumental and vocal groups, such as La Sierrans, quartets, trios, etc., under the direction of the music staff. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)

177, 178. ADVANCED ENSEMBLE MUSIC (1 or 2, 1 or 2)
Advanced work in vocal and instrumental ensembles, under the direction of the music staff. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)

CURRICULUM FOR MUSIC MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Theory I (Music 5, 6)	3	3
Applied Music (Music 21, 22)	1	1
Freshman English (English 1-2)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Beginning Language (Not required of those who present two units of college entrance in the chosen language.)	3	3
Physical Education (7, 8)	½	½
	15½	15½

SOPHOMORE YEAR

Theory II (Music 51, 52)	3	3
Applied Music (Music 55, 56)	1	1
General Psychology (5)	3	
Introduction to Visual Arts (General Education Fine Arts 57)		2
Religion (51, 52 or 71, 72)	2	2
General Education Basic Science (Science 63, 64)	5	5
Intermediate Language	3	3
Physical Education (55, 56)	½	½
	17½	16½

JUNIOR YEAR

Applied Music (Music 121, 122)	1	1
Counterpoint (Music 107, 108)	2	2
Religion	2	2
Literature	2	2
American History and Institutions (History 91, 92)	3	3
Speech	2	2
Language	2	
Health Principles (Health 59)		2
Applied Arts	2	2
	16	16

SENIOR YEAR

Applied Music (Music 121, 122)	1	1
History of Music (Music 111, 112)	3	3
History of Church Music (Music 113, 114)	2	2
Music Electives	4	4
Electives	6	6
	16	16

CURRICULUM FOR THE BACHELOR OF MUSIC EDUCATION

	First Semester	Second Semester
FRESHMAN YEAR		
Theory I (Music 5, 6)	3	3
Applied Music (Music 21, 22)	2	2
Freshman English (English 1-2)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Music Organization	1	1
String Instrument Class (Music 91, 92)	1	1
Voice	1	1
Physical Education (7, 8)	½	½
	16½	16½
SOPHOMORE YEAR		
Theory II (Music 51, 52)	3	3
Applied Music (Music 55, 56)	2	2
Religion	2	2
Basic Science (Science 63, 64)	5	5
General Psychology (5)	3	
Introduction to Visual Arts (57)		2
Piano	1	1
Music Organization	NC	NC
Physical Education (55, 56)	½	½
	16½	15½
JUNIOR YEAR		
Applied Music (Music 121, 122)	2	2
Counterpoint (Music 107, 108)	2	2
Religion	2	2
Education	3	4
Form and Analysis (Music 101)	3	
Conducting Technique (Music 132)		2
Health Principles (Health 59)	2	
Music in the Elementary School (Music 118)		2
Brass Instrument and Percussion Class (Music 95, 96)	1	1
Music Organization	1	1
	16	16
SENIOR YEAR		
Applied Music	2	2
Literature	2	2
Music Composition (Music 115)	2	
Orchestration (Music 123)	2	
History of Music (Music 111, 112)	3	3
Education	4	4
Music in the Secondary School (Music 120)		2
Materials and Techniques (Music 189 or 191 or 193 or 195)		2
Woodwind Instrument Class (Music 93, 94)	1	1
Music Organization	NC	NC
	16	16

Note: It is recommended that students in this curriculum meet the state requirements in American History, U.S. Constitution or government, California government, by passing a waiver examination or by taking the courses in summer sessions or by extension.

VISUAL ARTS

Chloe Sofsky

The department of Visual Arts seeks to develop in the students an acquaintance with and an appreciation of the masterpieces of art; to aid them in understanding the basic principles of true art and their application to life situations; and to develop as far as possible technical proficiency in artistic performance.

Major Requirements: 32 hours, of which a minimum of 18 must be in the upper biennium. Required courses 53, 65, 103, 107, 117, 118, 199. (An art major will not be required to take General Education Fine Arts 57.)

Minor Requirements: 18 hours, of which a minimum of 9 must be in the upper biennium. Required course: 53 and 65. (General Education Fine Arts 57 required on visual arts minor.)

51. Lettering (2)
Lectures, laboratory assignments in single stroke Roman, English Text, and other traditional alphabets. Creative modern lettering. Simple layouts.

53. Design I (1 or 2)
A study of the basic art elements and their function in the composition. Laboratory assignments with definite application of the principles studied.

59. Ceramics I (1 to 6)
Modeling and glazing of simple pottery forms.

61. Sculpture (1 to 6)
Modeling or carving in various media. The study of suitability of subject to medium. Special project for predental students.

65. Fundamentals of Drawing and Painting (1 to 6)
A foundation course in the principles and techniques of drawing and painting. Laboratory assignments in various media.

103. Painting (1 to 8)
Landscape, still-life, or portrait painting in oil or water color.
Prerequisite: Visual Arts 65.

107. Design II (1 to 6)
A study of the art elements and their application to abstract design and studies in layout and illustration.
Prerequisite: Visual Arts 53.

111. Ceramics II (1 to 2)
Throwing on the potter's wheel; special experiments in glazes.
Prerequisite: Visual Arts 59.

117, 118. History of Art (2, 2)
A chronological study of the various periods in the development of architecture, sculpture, and painting from the earliest times to the present. First semester: from ancient art through Gothic; second semester: from Renaissance through modern art.

199. Senior Project (2 to 3)

A mural or a series of paintings, or a special project in ceramics, planned for the senior student majoring in Art. This project must exhibit an acceptable degree of technical facility and creative power.

CURRICULUM FOR VISUAL ARTS MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Beginning Language (French recommended) (Not required of those who present two units of college entrance in the chosen language.)	3	3
General Psychology (5)	3	
Health Principles (Health 59)		2
Visual Arts (Selected from 53, 59, 61, 65)	2	3
Physical Education (7, 8)	½	½
	16½	16½

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
Elementary Photography (Recommended)		2
Intermediate Language	3	3
General Education Basic Science (Science 63, 64)	5	5
Fundamentals of Speech (Speech 5-6)	2	2
Music Literature (Music 63)	2	
Electives on Major Concentration	2	2
Physical Education (55, 56)	½	½
	16½	16½

JUNIOR YEAR

History of Art (Visual Arts 117, 118)	2	2
American History and Institutions (History 91, 92)	3	3
Technical Drawing (Building Construction 41, 42) or Home Economics 59, 110, or 118 (Recommended)	2	2
Language	2	
Applied Arts	2	2
Electives on Major Concentration (Upper Division)	7	5
Electives		2
	18	16

SENIOR YEAR

Religion (Upper Division)	2	2
Renaissance History (History 151 recommended)	3	
Literature (Upper Division)	2	2
Electives on Major Concentration (Upper Division)	4	3
Electives (8 hours Upper Division)	4	8
	15	15

VII

APPLIED ARTS

H. Russell Emmerson, *Chairman*

HOME ECONOMICS

Mary Byers (head), Yvonne Sonneland

The achievement of better everyday living in better homes is the major goal of the Home Economics Department. The philosophy of the department is the strong belief that Home Economics has a contribution to make to education in all the basic relationships of life such as personal living, home and family life, social and civic relationship, and vocation and avocational guidance and preparation.

Major Requirements: 36 hours, of which a minimum of 18 must be in the upper biennium.

General Home Economics: This curriculum is designed to give training basic for homemaking and for those professions that require a broad understanding of the problems of family living. Required courses: Home Economics 7, 8, 51, 52, 65, 74, 118, 166, 190, 193, 194. Cognate requirements: Natural Science 63, 64; Microbiology 8. Recommended: Fine Arts 57, 58.

Home Economics Teacher Education: Students choosing this curriculum are required to minor in Secondary Education. It provides training for prospective teachers of Home Economics in secondary schools. Required courses: Home Economics 7, 8, 51, 52, 65, 74, 99, 110, 118, 166, 190, 193, 194, 197. Cognate requirements: Natural Science 63 (or Chemistry 1, 2) and Natural Science 64 (or Biology 11 or 15), Microbiology 8. Recommended: Fine Arts 57, 58.

Foods and Nutrition: Students in this curriculum may qualify for dietetic internships in hospitals and institutions approved by the American Dietetic Association, and prepare for positions as dietitians in hospitals, school cafeterias, or institutional dining rooms. In addition to major requirements here listed, the required courses listed by the American Dietetic Association should be considered. (See Special Curriculums section of this Bulletin.) Required courses: Home Economics 7, 8, 65, 74, 99, 115, 161, 171, 176, 184, 186, 193, 194. Cognate requirements: Chemistry 1, 2 or 5, 6; 71, 134; Biology 8 or 58, 157, 158; Psychology 114; Sociology 47; Education 61; Business Administration 121.

Clothing, Textiles, and Related Arts: In selecting this field of specialization, the student may prepare for such professional work as teaching, home extension service, purchasing, demonstrating, textile research, fabric designing, dressmaking, and many other lines of work in addition to the obvious preparation for homemaking. Required courses: Home Economics 7, 8, 51, 52, 59, 60, 65, 110, 111,

151, 152, 190, 193, 194. Cognate requirements: Natural Science 63, 64. Recommended: Fine Arts 57, 58.

Minor Requirement: 18 hours, of which not less than 6 must be in the upper biennium. Prescribed courses: Home Economics 7, 8, 51, 52.

FOODS AND NUTRITION

7. Fundamentals of Foods and Nutrition (3)
A study of foods and their nutritive values, basic cookery, and marketing. Two class periods with a three-hour laboratory each week.

8. Meal Planning and Service (3)
Instruction and laboratory practice in the planning, preparation, and serving of meals Two class periods with a three-hour laboratory each week.

99. Human Nutrition (2)
A study of food nutrients, digestion, metabolism and the nutritional requirements at the various age levels.

113, 114. Advanced Foods (2, 2)
A study of foods from scientific and economic aspects; their selection and preparation; special attention to the more difficult preparation techniques. Experience in food demonstration is included. Especially designed for the advanced major in Home Economics. One class period and one three-hour laboratory each week.
Prerequisites: Foods 7 and 8.

115. Experimental Foods* (3)
A study of the effect of various methods of cooking upon the nutritive value, palatability, and economy of food products. Two class periods and one three-hour laboratory each week.
Prerequisites: Foods 7, 113 or 114.

166. Child Care and Training (3)
A study of the child through adolescence, covering the principles involved in its care, understanding and guidance. Includes observation of and participation with children in a child-development laboratory.

171. Nutrition Topics (2)
A course designed to acquaint students with current scientific literature in the field of nutrition.

184. Nutrition in Disease (3)
A study of the normal diet with modifications necessary in pathological conditions. Prerequisite: Foods 99.

186. Advanced Nutrition and Dietetics (3)
An advanced course in the science of nutrition with emphasis on recent developments and their practical application in the feeding of individuals of all ages and economic levels. Laboratory animals are used to demonstrate the effects of individual dietary deficiencies and their correction. Two class periods and one laboratory each week.
Prerequisites: Biology 8 or 58, Nutrition 99, Chemistry 134.

CLOTHING AND TEXTILES

51. CLOTHING CONSTRUCTION AND SELECTION I (3)
Covering the fundamental techniques of garment construction, this course aims to establish a foundation in art principles of line, color, texture, etc., as applied in selection and design of appropriate ensembles for various occasions and figure types. Two class periods with a three-hour laboratory each week.

52. CLOTHING CONSTRUCTION AND SELECTION II (3)
As a continuation of Clothing I, this course offers greater opportunity to develop skills based upon the fundamentals acquired Clothing I. More difficult projects are encouraged, involving intricacies of design, construction, and fabric manipulation; emphasis is laid on alteration of patterns, fitting of garments, and speed techniques in construction of children's clothing. Two class periods with a three-hour laboratory each week.
Prerequisite: Clothing 51.

59. FLAT PATTERN DESIGNING (2)
By the use of a basic commercial pattern, the student learns to obtain the desired design in her own pattern. Original designs are encouraged, but are not required. Adaptations from magazines, newspapers, and similar sources of exclusive or original designs produce the required garment. One class and one laboratory period.

60. FLAT PATTERN AND DRAPING** (2)
In addition to further experience in flat pattern making, the student will learn the art and technique of draping to the human figure. One class and one laboratory. Prerequisite: Clothing 59.

110. TEXTILES (2)
A study of textile fibers, the fundamentals of weaving, the identification of textiles, their choice and care.

111. TAILORING (2)
A study of professional techniques of tailoring and their application to women's garments. One class period and one three-hour laboratory each week. Prerequisites: Clothing 51 and 52.

151. CLOTHING CONSTRUCTION III (2)
Opportunity is given in this course to remodel, alter, and utilize garments in one's wardrobe to the best advantage. One class period and one three-hour laboratory each week.
Prerequisites: Clothing 51, 52 or approval of instructor.

152. CLOTHING CONSTRUCTION IV (2)
This course is planned to permit the student to gain experience in more difficult problems in clothing construction in sewing for others. One class period and one three-hour laboratory each week.
Prerequisites: Clothing 51, 52 or approval of instructor.

HOME MANAGEMENT

63. HOUSE PLANNING AND STRUCTURE (2)
A study of the principles of house planning and room arrangement, with emphasis on both function and appearance. Properties and uses of the materials of house construction are also studied. The student is expected to draw complete house plans during the semester. One hour lecture and three hours laboratory each week.

65. Family Health and Home Nursing (2)
A study of and experience in home nursing procedures, including care of the baby. Consideration is given to factors conductive to family and community health and safety.

74. Marriage and the Family (2)
(See Sociology 74.)

118. Decorating and Furnishing the Home (3)
A study of principles governing the selection and arrangement of furniture, fabrics, and accessories appropriate for various types of homes. Includes the application of color and design principles. Two class periods and one laboratory each week.

190. Consumer Buying for the Home and Family (2)
An analysis of problems as well as aids in purchasing from the point of view of the home, the family, and the individual.

193. Management in Family Living (3)
The study of the fundamental principles of a Christian home, and an opportunity to learn how to select, arrange, care for, and use household equipment with the skill necessary to teaching others, by demonstrating the proper use of such equipment.

194. Home Management Residency Laboratory (3)
An application of the principles of home management. The student has an opportunity to live in the Home Economics Cottage under guidance of an instructor for six weeks. Two-hour weekly conferences with the instructor will be arranged.
Prerequisites: Foods 7, 8 and Home Management 193 (allowed as concurrent registration).

INSTITUTIONAL MANAGEMENT

11. Introductory Baking (3)
An introductory course in fundamental principles of healthful institution and commercial baking, both theoretical and practical. One lecture and two laboratory periods each week.

161. Institutional Management (3)
The study of administrative duties and problems in institutional work, including organization, equipment, personnel, costs, marketing, and service.

163. Institutional Purchasing (3)
A course dealing with problems of marketing and purchasing foods and supplies in institution quantities. Factors that influence cost and availability are stressed. Three Hours

174. Institution Layout and Equipment** (3)
A course dealing with plant layout and equipment for foods services in school lunch rooms, cafeterias, and hospitals. Purchasing and flow availability are stressed.

176. Quantity Cookery (3)
The study of preparation and service of food in large quantity. Laboratory work is done in the college cafeteria and dining room.

HOME ECONOMICS EDUCATION

197. Materials in Home Economics** (2)
Designed for those interested in teaching and securing a supply of instructional material, devices, files, and source material. One class period and one laboratory each week.

199. PROBLEMS IN HOME ECONOMICS (1 or 2)
Advanced work in special problems for majors. Admission only upon permission of the instructor. Offered either semester.

CURRICULUM FOR B.S. IN HOME ECONOMICS

FRESHMAN YEAR	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Fundamentals of Foods and Nutrition (Home Economics 7)	3	
Meal Planning and Service		3
Microbiology (Biology 8)		4
Electives	2	
General Psychology (5)	3	
Physical Education (7, 8)	½	½
	16½	15½
SOPHOMORE YEAR		
Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
Natural Science 63 or Chemistry 1-2 (or 5-6) and Natural Science 64 or Biology 11 or 15	3-5	3-5
Family Health and Home Nursing (Home Economics 65)	2	
Speech	2	2
Clothing Construction and Selection (Home Economics 51, 52)	3	3
Electives		2
Physical Education (55, 56)	½	½
	15½-17½	15½-17½
JUNIOR YEAR		
Religion	2	2
Literature	2	2
Management in Family Living (Home Economics 193)	3	
*Electives in Home Economics	3	2
Electives	6	10
	16	16
SENIOR YEAR		
Home Management Residency (Home Economics 194)		3
Consumer Buying (Home Economics 190)		2
*Electives in Home Economics	3	6
Electives	13	5
	16	16

*In consultation with the head of the department the student will choose Home Economics objectives to meet the specific requirements of the field elected for major emphasis: General Home Economics, Home Economics Teacher Education, Foods and Nutrition, and Clothing and Textiles.

BUILDING CONSTRUCTION

H. R. Emmerson

The building construction classes are intended to train professional builders and capable craftsmen. For the general college student the aim is to provide an understanding of building problems in the social state. Certain groups who do not plan to become technical specialists will get from prescribed classes orientation sufficient for committee memberships and tentative planning.

Major Requirements: 36 hours, of which a minimum of 18 must be in the upper biennium.

Cognate Requirements: Mathematics 5, 8; Physics 51-52; Economics 51, 52; Business 5, 6; 141.

Minor Requirements: 20 hours, of which a minimum of 6 must be in the upper biennium.

11-12. Carpentry* (3-3)

This class works on a house or other building during the school year. Each student is given opportunity to become familiar with details of construction through actual practice. Textbook and lecture work precede each building operation. Intensive study of house plans. One hour class period and six hours laboratory work each week.

41. Technical Drawing (2)

Orthographic projection, lettering, care and use of instruments; sections and auxiliary views, pictorial presentation, dimensioning; pencil and ink tracings; projection principles. Application to practical problems with emphasis on visualization and analysis. One hour lecture and three hours laboratory work each week.

42. Technical Drawing (Descriptive Geometry) (2)

Fundamental principles of descriptive geometry. Graphical representation of lines, surfaces, and solids. One hour lecture and three hours laboratory each week. Prerequisite: Building Construction 41.

51. Wood Lathe (2)

Spindle, face plate, and chuck turning; metal spinning and pattern making.

57, 58. Furniture Construction and Cabinet Making (2 or 3, 2 or 3)

A study of the processes, tools, machines, and materials used in the woodworking field. Each student works on a project of his own, selected in counsel with the instructor. One hour class work and three or six hours laboratory work each week. Not less than two hours credit in any one semester.

63. House Planning and Structure (2)

(See Home Economics, course 63, for description.)

67. Basic Building Design* (2)

A course designed for prospective ministers, teachers, doctors, and administrators who will have to make decisions regarding building problems. An attempt is made to help the student understand the meaning of plans and specifications, and to judge the fitness of a proposed building for its purpose. One lecture and three hours laboratory each week.

71. SURVEYING (3)
Theory and practice of plane surveying; measurement of distances; use and adjustment of transit and level; systematic methods for notes and computations; measurement of angles; leveling; contours; land surveying; mapping.
Prerequisites: Mathematics 5 and 8.

83. STATICS* (3)
Statics; analytical and graphical solutions; composition and resolution of forces; stresses in simple frames.
Prerequisites: Building Construction 41, 42; Mathematics 5 and 8.

86. STRENGTH OF MATERIALS* (3)
Stress deformation relationships; behavior of materials under stress; theories of failure.
Prerequisite: Building Construction 83.

107, 108. STRUCTURAL DRAFTING (2, 2)
Structural details, freehand sketching, shades and shadows, working drawings, blueprinting, mechanical perspective. Complete original drawings of quality sufficient to permit use in erection of buildings are required in the second semester. Six hours laboratory each week.
Prerequisites: Building Construction 41, 42.

129. MECHANICAL EQUIPMENT OF BUILDING (3)
A study of mechanical, electrical, and plumbing installations in relation to the building; rules, regulations, and codes.
Prerequisites: Buildings Construction 11-12.

135. CONTRACTS AND SPECIFICATIONS (2)
Laws relating to building; contracts; specifications.
Prerequisite: Business 56.

147. STRESSES IN FRAMED STRUCTURES* (3)
Algebraic and graphical analysis of stresses in framed structures, such as roof and bridge trusses, and building frames.
Prerequisites: Building Construction 83, 86.

171. STRUCTURAL DESIGN IN STEEL AND WOOD* (3)
Wood framing; joints and connections; design and computations required for wood trusses, floor systems, beams, girders, and columns. Design of simple steel structures; beams, columns, roof trusses, bents; rivets, tension and compression members.
Prerequisite or simultaneous registration: Building Construction 147.

172. REINFORCED CONCRETE DESIGN* (3)
Design of concrete mixtures; forms; working stresses; posts, beams, slabs, T-beams; continuous frames.
Prerequisite: Building Construction 147.

183, 184. ARCHITECTURAL DESIGN* (3, 3)
The appearance of a building in relation to its setting; structural considerations in planning buildings; economic factors; relation of material to design; provision for equipment; churches, schools, hospitals, mission buildings. One hour lecture and six hours laboratory each week.
Prerequisite: Building Construction 147.

CURRICULUM FOR BUILDING CONSTRUCTION MAJOR (B.S.)

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Algebra (Mathematics 5)	3	
Trigonometry (Mathematics 8)		3
Carpentry (Building Construction 11-12)	3	3
General Psychology (5) or Elective	2-3	2-3
Physical Education (7, 8)	½	½
	16½-17½	16½-17½

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
General Physics (Physics 51-52)	4	4
Technical Drawing (Building Construction 41)	2	
Descriptive Geometry (Building Construction 42)		2
Furniture Construction and Cabinet Making (Building Construction 57, 58)	3	3
Principles of Accounting (Business Administration 5, 6)	3	3
Health Principles (Health 59)		2
Elective	2	
Physical Education (55, 56)	½	½
	16½	16½

JUNIOR YEAR

Statics (Building Construction 83)	3	
Strength of Materials (Building Construction 86)		3
Structural Drafting (Building Construction 107, 108)	3	3
Business Law I (Business Administration 141)	3	
Speech (5)		3
Principles of Economics (Economics 1-2)	3	3
American History and Institutions (History 91, 92)	3	3
Elective	2	2
	17	17

SENIOR YEAR

Religion	2	2
Literature	2	2
Stresses in Framed Structures (Building Construction 147)	3	
Contracts and Specifications (Building Construction 135)		2
Structural Design in Steel and Wood (Building Construction 171)	3	
Reinforced Concrete Design (Building Construction 172)		3
Architectural Design (Building Construction 183, 184)	3	3
Electives	4	4
	17	16

The student is advised to select upper division courses wherever possible and to consult the requirements for graduation on pages 32 to 36.

AGRICULTURE

Frank Judson (head), H. A. Habenicht, G. A. Houck

The Agriculture Department at La Sierra College is organized to develop vocational proficiency in those students who emphasize some aspect of American farm life in their education. Majors will also normally be prepared to go into more advanced curriculums as preparation for teaching positions or research in the field. The non-majors who take an occasional course in the department learn something of the social implications of agricultural pursuits and develop a limited acquaintance with the soil. The dignity of labor and the response of Nature to man's efforts as he helps himself are significant lessons for every student in the department.

The 498-acre farm on which the college is located is an ideal situation for the student who would achieve such aims. Crops are being planted every month of the year. Poultry, sheep, and dairy cattle offer splendid opportunity for firsthand experience with livestock. The management of the entire farming program is done by the teaching faculty and aims to provide skill and management experience to students interested in agriculture.

Major Requirements for the Bachelor of Science degree: 38 hours, of which a minimum of 18 must be in the upper biennium; no more than 6 hours of Biology may apply on the 38 hours.

Required courses: Agriculture 7, 11, 55, 93, and 187. Course 188 will be required of all students who have not had at least two years of work experience on a farm as a full-time worker or one year as a worker while a student of agriculture at La Sierra College.

Required cognate courses: General Botany 11, Introductory Chemistry 1-2 or General Chemistry 5-6, Introductory College Algebra 5, Mathematical Preparation for Physical Science 8, and General Zoology 15, 16, Accounting 5, 6.

Recommended electives: Biology 58, 121, 136, and 145.

Minor Requirements: 20 hours, of which a minimum of 5 must be in the upper biennium.

PLANT PRODUCTION AND SOILS COURSES

7. Vegetable Gardening (2)
   Emphasis is placed on present varieties and cultural methods.

8. Vegetable Gardening Experience (2)
   A practical continuation of this material studied in 7. Two laboratory periods each week. Prerequisite: Agriculture 7.

11, 12. Field and Forage Crops (2, 2)
   A study of the distribution, cultural methods, and economic importance of the main farm crops.

55. Soils (3)
   A course dealing with the genesis, physical and chemical properties, and classification of the soil. Prerequisites: Chemistry 1-2 or concurrently with Chemistry 5-6.

68. Home Fruit Production (2)
Survey of recommended practices in the growing of grapes, strawberries, and bush and tree fruits for the home.

121. Plant Physiology (3)
(See Biology 121.)

132. Soil Fertility* (2)
The influence of crop rotation, green manure practices, drainage, and commercial fertilization is studied. Emphasis is placed on soil conservation. Prerequisite: Agriculture 55.

136. Entomology (3)
(See Biology 136.)

138. Irrigation (2)
A specialized course for those planning to locate in the Southwest or other arid regions. Water supply, crop requirements, efficient application are emphasized. Two lectures each week with appropriate laboratory experience arranged. Prerequisite: Agriculture 55 and Mathematics 5 and 8.

145. Plant Pathology (3)
(See Biology 145.)

160. Commercial Fruit Production* (3)
A thorough study of modern practices of pruning, pest control, soil management, and marketing from the point of view of one producing fruit as a business. Appropriate laboratory work arranged.

168-169. Commercial Vegetable Production** (2-2)
A laboratory course giving the student opportunity to participate in the producing and packing of various vegetables for market. Records and cost accounts will be kept on the crops. Spring and summer only. Prerequisites: Agriculture 7 and 8.

LIVESTOCK AND COGNATE COURSES

28. Poultry Husbandry (2)
A general course dealing with the practical phases of the poultry industry.

52. Dairy Husbandry (3)
A general study of the economic aspects, selection, breeding, feeding, and management of dairy cattle. A brief presentation of dairy sanitation is included.

62. Poultry Brooding (2)
A laboratory course in which the student has full responsibility for the care of a brood of chicks during the first six weeks of life. Open only to a limited number of students each year.
Prerequisite: Agriculture 27.

82. Animal Husbandry* (3)
Modern practices in care, use, and marketing of cattle, sheep, horses, mules, etc., are evaluated.

106. Poultry Management (2)
Ten lectures dealing with the problems of poultry management. Required laboratory work includes formulating and purchasing poultry feeds, culling, feeding, and keeping accurate records of production costs. Prerequisite: Agriculture 27.

112. ANIMAL NUTRITION* (2)
A study of the fundamental needs and practices of animal nutrition. Prerequisite: Chemistry 71.

115. LIVESTOCK SANITATION AND DISEASE CONTROL* (2)
A brief study of the anatomy of the common farm animals, and the symptoms, diagnosis, and prevention of their disorders and diseases. Prerequisites: Agriculture 82 and Zoology 15, 16.

123. SANITARY BACTERIOLOGY (3)
(See Biology 123.)

178. DAIRY PLANT OPERATION** (3)
A course of study planned to train the student in the processing of fluid milk, manufacture of butter, ice cream, and other dairy products. Satisfactory completion of the course includes the passing of the State Pasteurizer's Examination. Two lectures and one laboratory each week. Prerequisite: Biology 58. Recommended: Biology 123.

GENERAL COURSES

74. FARM MACHINERY (3)
Selection, operation, and use of common farm implements. Two lectures and one laboratory each week.

93. TRUCK AND TRACTOR MECHANICS* (3)
The theory and actual experience of maintaining and repairing truck and tractor engines are fully gained by those meeting the requirements of this course. Two lectures and one laboratory each week.

171. AGRICULTURE ECONOMICS (2)
A course to train the student in evaluating data, coordinating farm activities with the business world, and applying economic principles to farm operation. (Does not fulfill basic applied arts requirements.)

187, 188. FARM MANAGEMENT (3, 2 or 3)
A lecture, problem, and directed experience course stressing effective farm planning and logical procedures for solving problems in operating a farm. Directed experience in labor relations and distribution, planting, harvesting, marketing, and livestock care is included in the laboratory work. 187 is prerequisite to 188. 18 hours of agriculture is prerequisite to 187.

UNATTACHED ELECTIVES

15. RADIO I* (3)
An elementary study of radio circuits and the application of vacuum tubes to such circuits. Two hours of theory and three hours laboratory per week.

16. RADIO II* (3)
A study of the radio station; receivers, transmitters and antenna systems. Laboratory includes the actual construction and testing of a radio receiver, audio amplifier or similar electronic equipment. Two hours theory and three hours laboratory per week.
Prerequisite: 15 or equivalent.

CURRICULUM FOR MAJOR IN AGRICULTURE (B.S.)

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
History of Western Civilization (History 1, 2)	3	3
General Botany (Biology 11)	4	
General Psychology (5)		3
Field & Forage Crops (Agriculture 11, 12)	2	2
Health Principles (Health 59)		2
*Elective Agriculture	2	
Physical Education (7, 8)	½	½
	16½	15½

SOPHOMORE YEAR

Chemistry (Chemistry 5-6 or 1-2)	5-3	5-3
General Zoology (Biology 15, 16)	4	4
Mathematics (Mathematics 5 and 8)	3	3
Soils (Agriculture 55)	3	
Vegetable Gardening (Agriculture 7)	2	
Truck and Tractor Mechanics (General Course 93)		3
*Elective Agriculture		2
Physical Education (55, 56)	½	½
	17½-15½	17½-15½

JUNIOR YEAR

Religion (51, 52 or 71, 72)	2	2
Speech	3	
American History and Institutions (History 91, 92)	3	3
*Elective Agriculture	5	8
Principles of Accounting (Accounting 5, 6)	3	3
	16	16

SENIOR YEAR

Literature	2	2
Religion	2	2
Farm Management (Agriculture 187)	3	
*Elective Agriculture	4	4
Electives	5	8
	16	16

*In consultation with the head of the department, the student will choose agriculture electives to meet the specific requirements of whichever field he has chosen for major emphasis: agronomy, animal husbandry, general agriculture.

VIII

BUSINESS AND SECRETARIAL SCIENCE

RALPH L. KOORENNY, *Chairman*

BUSINESS ADMINISTRATION

R. L. KOORENNY (head), ROBERT HERVIG

The objective of the Business Administration Department is to prepare students for competent business service in denominational, commercial, and government employment, and to instill a high degree of moral responsibility as an aid to proper relationships with employing organizations, the church, and the community.

Major Requirements: 32 hours, of which a minimum of 18 hours must be in the upper biennium. Required courses in Business Administration: Accounting 5, 6; 55, 56; 151; General Business 141, 142. Required cognate courses: Economics 51-52, 123, and three elective hours of economics selected with consent of major adviser; Speech, four hours; Secretarial Science 53, and 3 or equivalent.

Minor Requirements: 18 hours, of which a minimum of 6 must be in the upper biennium.

For a listing and description of Economics courses see Social Science section: Economics, page 59.

ACCOUNTING

5, 6. PRINCIPLES OF ACCOUNTING (3, 3)

The fundamental principles of modern account keeping. Accounting for proprietorships, partnerships, and corporations. Business transactions and accounting techniques are studied in text material, classroom discussion, and laboratory practice. Two hours lecture and three hours laboratory each week. First semester prerequisite to second.

15. MACHINE BOOKKEEPING (1)

Instruction and practice on the National Bookkeeping Machine. Offered on sufficient demand. Limited enrolment.
Prerequisite: Accounting 5, 6 or Secretarial Science 14, and Secretarial Science 3 or equivalent.

55, 56. INTERMEDIATE ACCOUNTING (3, 3)

A study of the problems of valuation as related to assets, liabilities, and proprietorships. Accounting implications of corporate organization, including preparation and analysis of accounting statements. First semester prerequisite to second.

112. FEDERAL INCOME TAX ACCOUNTING* (3)

A study of the provisions of federal income tax laws and regulations affecting the determination of net taxable income, including the preparation of tax returns for individuals, partnerships, and corporations. Prerequisite: Accounting 5, 6.

131. Cost Accounting* (3)
A study of process and job order cost accounting, with some attention to standard and distribution costs.
Prerequisite: Accounting 6.

151. Accounting Systems** (2)
The study of various accounting systems; methods of organizing accounting operations; includes a study of the organization of denominational finance and administration.
Prerequisite: Accounting 56.

161-162. Auditing Theory and Practice (2, 2)
Procedures and practices followed by the public accountant in verification of accounts and records. The preparation of audit working papers and audit reports.
Prerequisite: Accounting 56.

GENERAL BUSINESS

61. Principles of Management* (3)
An introduction to the principles of administration, including an analysis of such managerial functions as planning, organizing, coordinating, and leading human effort.

121. Personnel Management* (3)
A survey of the principles and practices involved in administering personnel programs; includes case problems and individual research.

141. Business Law I (3)
Introduction to the law of business consisting of the meaning and administration of law, and a study of torts, contracts, and governmental regulation. Specific cases are used in addition to textual material.

142. Business Law II (3)
A continuation of Business Law I. Study of text, cases, and statutes in specific types of business contracts.
Prerequisite: General Business 141.

161. Business Communications* (3)
(See Secretarial Science: Office Practice 161.)

164. Office Management (3)
(See Secretarial Science: Office Practice 164.)

171-172. Principles of Marketing (2-2)
A survey of the institutions, functions, policies, and economics in the distribution of goods from producers to consumers; relation of the Government to marketing.

175. Principles of Advertising (3)
The psychology, mechanics and art of advertising; product and market research as the planning phase of an advertising program; coordination with other types of selling effort; economic, social, and legal aspects of advertising.

182. Business Finance* (3)
Financial problems of business organization; launching of an enterprise; sources of capital; principles of borrowing; relation of finance to the business cycle; distribution of earnings; reorganization.
Prerequisite: Accounting 5, 6.

CURRICULUM FOR MAJOR IN BUSINESS ADMINISTRATION (B.S.)

FRESHMAN YEAR

	First Semester	Second Semester
Principles of Accounting (Business Administration 5, 6)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (1-2)	3	3
History of Western Civilization (History 1, 2)	3	3
Typewriting (3 or 9)	1-2	
Speech (5)		3
Business Machines (Secretarial Science 53)		1
Health Principles (Health 59)	2	
Physical Education (7, 8)	½	½
	14½-15½	15½

SOPHOMORE YEAR

Principles of Economics (Economics 51-52)	3	3
Intermediate Accounting (Business Administration 55, 56)	3	3
Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
General Education Basic Science (Science 63, 64)	5	5
Physical Education (55, 56)	½	½
	16½	16½

JUNIOR YEAR

Business Law (Business Administration 141, 142)	3	3
Money, Banking, and Credit (Economics 123)	3	
Religion	2	2
Applied Arts	2	2
Electives	6	9
	16	16

SENIOR YEAR

Accounting Systems (Business Administration 151)	3	
Literature	2	2
Religion	2	
Major Concentration (upper division)	3	3
Electives	6	11
	16	16

SECRETARIAL SCIENCE

Irene Ortner (head), Dorothy Dixon, Virginia Mabley

The four-year degree program in Secretarial Science is designed to prepare the student for professional secretarial work in denominational or commercial offices and to combine the broad cultural background of a college education with thorough training in basic skills.

Major Requirements: 34 hours, of which a minimum of 15 must be in the upper biennium. Required courses: Secretarial Science 57; 63, 64; 14; 53, 54; 70; 73. A maximum of 4 hours in Business may be included in the total upper biennium hours. Cognate requirements: Economics 51-52 and Speech (at least 2 hours).

Minor Requirements: 18 hours, of which a minimum of 5 must be in the upper biennium. Required: Secretarial Science 63 and 70.

A two-year program is suggested for those who may not wish to qualify for a degree. Adequate preparation in basic skills is provided to prepare the student for stenographic or clerical office positions. (See page 122 for an outline of the curriculum.)

TYPEWRITING

3. Beginning Typewriting (2)
   The techniques of touch typewriting as applied to business and personal use. Meets five days a week. Offered first semester only.

9. Typewriting Review (1)
   A review of basic techniques and applications for either business or personal use. For students with previous training whose speed on a 10-minute test is 30-40 wpm. Meets three days a week. Offered both semesters. Credit is not allowed for both 3 and 9.

57. Advanced Typewriting (2)
   Emphasis on increased speed, accuracy, and skill in the typing of letters and business projects. Meets five days a week. Offered both semesters. Prerequisite: Typewriting 3 or 9 or 45 wpm.

SHORTHAND

7. Beginning Shorthand (4)
   Theory of Gregg Shorthand Simplified; simple dictation of familiar material. (May not be taken for credit by those with previous shorthand training.)

8. Shorthand Dictation (4)
   Speed-building dictation of new material; elementary transcription on the typewriter.
   Prerequisite: Typewriting 3 or 9 and Shorthand 7 or equivalent.

11, 12. Shorthand Review (2, 2)
   A review of Gregg Shorthand for students whose previous training does not qualify them for 63, 64 Dictation and Transcription. Credit is not allowed for both 7 and 8 and 11, 12.

63, 64. Dictation and Transcription (4, 4)
   Further development of shorthand speed plus intensive training in fast and accurate transcription of mailable letters. The second semester includes work in denominational vocabulary. (First semester is prerequisite to the second semester.)
   Prerequisite: Shorthand 8 or equivalent.

108. ADVANCED SHORTHAND* (3)
Dictation and transcription of Congressional and denominational material at the higher speeds.
Prerequisite: Shorthand 63.

170. MEDICAL STENOGRAPHY (2 or 3)
Shorthand and machine dictation and transcription of material selected from medical case histories, letters, and hospital records.
Prerequisite: Shorthand 63.

OFFICE PRACTICE

14. SECRETARIAL ACCOUNTING (3)
Instruction in accounting fundamentals adapted to the needs of future secretaries and stenographers. Will not apply on a Business major or minor. Offered both semesters. First semester class limited to those having had bookkeeping on the secondary level.

53. BUSINESS MACHINES (1)
Supervised practice on various types of calculating, adding, and duplicating machines. Offered both semesters.
Prerequisite: Typewriting 3 or 9 or equivalent.

54. INDEXING AND FILING (1)
A study of the filing systems most commonly used in offices; practice in card and correspondence filing and finding. Offered both semesters.
Prerequisite: Typewriting 3 or 9 or equivalent.

70. OFFICE PROCEDURES (3)
Preparation for the activities and procedures common to most stenographic jobs and a study of the human relationships involved. Two class periods and a laboratory each week. Prerequisite: Typewriting 57. (May be taken concurrently.)

73. MACHINE TRANSCRIPTION (1)
Instruction and practice in the use of voicescription machines, with emphasis on the fast and accurate transcribing from the secretarial unit.
Prerequisite: Typewriting 3 or 9 or equivalent.

141. BUSINESS LAW I (3)
(See Business Administration 141.)

142. BUSINESS LAW II (3)
(See Business Administration 142.)

161. BUSINESS COMMUNICATIONS* (3)
The composition and dictation of business letters and reports.

164. OFFICE MANAGEMENT (3)
The planning and organizing of business and secretarial offices. Special attention is given to the training of office employees, the selecting of equipment, the planning of office space, and organizing the flow of work through the office.

174. THE PROFESSIONAL SECRETARY (2)
A consideration of the duties, attitudes, responsibilities, and personal qualifications which characterize the fully trained professional secretary. Prerequisite: Office Practice 70 or permission of the instructor.

CURRICULUM FOR MAJOR IN SECRETARIAL SCIENCE (B.S.)

FRESHMAN YEAR	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (1-2)	3	3
Speech	2	
Secretarial Accounting (Secretarial Science 14)		3
*Beginning Shorthand (Secretarial Science 7)	4	
*Shorthand Dictation (Secretarial Science 8)		4
*Typewriting (Secretarial Science 3)	2	
Physical Education (7, 8)	½	½
	16½	15½

*Students having the equivalent of all or part of these may substitute second-year shorthand and typewriting or electives.

SOPHOMORE YEAR		
Religion (51, 52 or 71, 72)	2	2
Principles of Economics (Economics 51-52)	3	3
Machine Transcription (Secretarial Science 73)	1	
Health Principles (Health 59)	2	
Indexing and Filing (Secretarial Science 54)		1
Office Procedures (Secretarial Science 70)		3
Business Machines (Secretarial Science 53)	1	
*Dictation and Transcription (Secretarial Science 63, 64)	4	4
*Typewriting (Secretarial Science 57)	2	
Electives		3
Physical Education (55, 56)	½	½
	15½	16½

*Students taking these in the freshman year substitute General Education Basic Science (63, 64).

JUNIOR YEAR		
American History and Institutions (History 91, 92)	3	3
Upper Division Electives on Major	5	4
General Education Basic Science (Science 63, 64)	5	5
Literature	2	2
Electives	1	2
	16	16

SENIOR YEAR		
Upper Division Electives on Major	3	3
Religion	2	2
Literature or Speech	2	
Electives	9	11
	16	16

SPECIAL CURRICULUMS

THEOLOGY

La Sierra College Theology training program is designed to prepare preachers and teachers for a professional career in the highest sphere of human experience and thought in the realm of religion. The purpose of this training requires that a careful selection of candidates for admittance be made not only on the basis of preparatory scholastic accomplishments, but also on the basis of spiritual qualities, social sympathies, cultural refinement, and aptitude for the ministry.

Candidates for the ministry are eligible for ministerial internship after the completion of 128 college hours leading to a Bachelor of Arts degree with a major in Theology and a fifth year of a minimum of 38 hours of professional training at the Theological Seminary. No student will be graduated with a recommendation to the ministry or to the Seminary merely on the basis of the accumulation of the required number of credit hours.

The fifth year at the Seminary, as outlined by the committee on Ministerial Training of the General Conference, shall consist of a full twelve months of study during which the student shall complete 38 hours of the core curriculum leading to the Bachelor of Divinity degree. Courses shall be taken from the five main areas of Seminary study: Old Testament, New Testament, Systematic Theology and Christian Philosophy, Church History, and Applied Theology.

Students are strongly advised to plan to continue their studies toward the Bachelor of Divinity degree.

Major Requirements	Semester Hours
Life and Teachings of Jesus or Foundations of Christianity	4
Introduction of Theology	4
Daniel and Revelation	5
New Testament Epistles	6
Gift of Prophecy	3
Homiletics	6
Old Testament Prophets	6
Philosophy of Religion	4
Evangelism	4

Cognate Requirements	Semester Hours
History of Western Civilization (History of the Christian Church 142 substitutes for History of Western Civilization 2)	3
History of Christian Church	6
Speech (must include 5)	6
Greek 7-8, 65-66	12
History of Church Music 113, 114 (Substitutes for Fine Arts 58)	4
Social Sciences (should include Psychology and Principles of Education)	7

Recommended Electives

Religion 101, 118, 134
Greek 145, 146, 149, 158
Hebrew 155, 156
History 2, 103, 104
Education 61, 107, 150
English 160, 170
Sociology 61, 62, 74, 169
Music 60
Biology 182
Accounting
Journalism 140
Typing (2 hours may apply on applied arts requirement)

PREMEDICAL

La Sierra College offers students opportunity to prepare themselves for admission to medical colleges.

In planning their college courses, premedical students should include those courses required by the admissions committee of the medical college to which they plan to apply. Careful attention should be paid to prerequisites and to the proper sequence of courses.

A college degree is necessary for admission to most medical schools. With this in mind, students should decide on a major concentration, preferably by the beginning of the second year, and should include the liberal arts requirements in their courses.

For recommendation to the School of Medicine at the College of Medical Evangelists, a student should:

a. Maintain a satisfactory conduct and character rating.

b. Reach a minimum scholarship average of 2.5 in both science and non-science courses.

c. Take the medical aptitude test during the 12 months preceding his application.

d. Receive credit for the college work required by the College of Medical Evangelists for admission. This work is as follows:

	Semester Hours
Religion	12
Freshman English	6
Chemistry	16
Physics	8
Biological Science	10
Must include these minimums: Zoology (15), Comparative Embryology 103 and selections from Mammalian Anatomy or Comparative Anatomy, and Genetics. Botany may not be included in the minimum of ten hours.	
*Foreign Language	6-12

*When the language taken in college is the same in which the student earned two units on the secondary (high school or academy) level, the minimum requirement on the college level is 6 hours. If a new language is begun on the college level, the minimum requirement is 12 hours.

PREPHARMACY

The college work specified as entrance requirements to schools of pharmacy varies a great deal from university to university; some two years, and others one year. The prospective pharmacy student can get all of the prepharmacy requirements at La Sierra College, where he will be specifically advised as to a study list as soon as he has decided on the particular school of pharmacy for which he would like to prepare.

PREMEDICAL TECHNOLOGY

College work totaling 96 semester hours is required as preparation for medical technology. The required courses are listed below in the approximate order in which they should be taken.

	Semester Hours
Religion*	12
Freshman English	6
Mathematics	6
General Chemistry	10
General Zoology	8
Physical Education	1
Language	6
General Physics	8
Quantitative Analysis	4
Microbiology	4
Mammalian Anatomy	2
Organic Chemistry	8
Physiology	3
American History and Institutions**	6
Biochemistry	4
Electives	8

*Two hours of religion for every semester of attendance.

**This course is so organized that it fulfills the California state requirement for California history and constitution.

PRESOCIAL WORK

The profession of social work requires graduate training which includes both classroom courses and field work in a social agency. In preparation for this a broad foundation in the social sciences with an undergraduate orientation in social work will not only prepare the student for graduate school, but will also make him eligible for some positions in social work agencies, particularly in the field of public welfare, which do not require advanced training. The various careers which are open in social work include child welfare agencies, public institutions for the defective and delinquent, medical and psychiatric social work in hospitals and clinics, parole, probation, and numerous other fields private as well as public.

A major in Social Science to include the following courses is recommended for those planning to enter the field of social work.

Economics 51-52	6 hours
Religion 122	2 hours
Health 69 (may be used in lieu of Health 59)	2 hours
Sociology 123, 124. Principles of Social Welfare	4 hours
Courses in biology, physiology, or zoology.	

Students should consult with the adviser in the Social Science department for selection and arrangement of cognate courses.

PREPHYSICAL THERAPY CURRICULUM

*Freshman Year

	First Semester	Second Semester
Life and Teachings of Jesus (1, 2)	2	2
Freshman English (1-2)	3	3
General Psychology (5)	3	
Sociology		3
Zoology 15, 16	4	4
Introductory Chemistry	3	3
Physical Education	½	½
	15½	15½

*Sophomore Year

Religion 51, 52 (or 71, 72)	2	2
American History and Institutions (91, 92)	3	3
Fundamentals of Speech (5, 6)	2	2
Psychology 54		3
General Bacteriology 58 (or Microbiology 8)		4
Electives	5	4
Physical Education (55, 56)	½	½
	15½	15½

*Some schools of Physical Therapy call for General Physics and Anatomy and Physiology as prerequisites. The student should be sure to note the requirements of the particular school he proposes to enter.

Helpful Electives

Human Nutrition 99
Elementary Organic Chemistry 71
Marriage and the Family (Sociology 74)
Sociological Problems (Sociology 62)
Vegetable Gardening 7, 8
Typewriting
Woodworking 57, 58
Mammalian Anatomy 74
Health Principles 59
Health 75

PREDENTAL

In planning their college courses, predental students should include those courses required by the dental schools to which they plan to apply. Careful attention should be paid to prerequisites and to the proper sequence of courses. Guidance in these matters should be sought from the members of the staff.

Outlined below is a three-year predental sequence as recommended by La Sierra College. All of the courses listed apply on the Bachelor of Arts degree, which many students will choose to complete by an extra year of enrolment, as it is generally recognized that a man's professional life is sooner or later definitely enhanced by his having the bachelor's degree. Those courses marked with an asterisk (*) are prescribed by the Council on Dental Education of the American Dental Association to be included in the two full years (60 to 64 semester hours) of college work which that council has established as the minimum credits for entrance to accredited schools of dentistry, requirements that may be completed in two years.

FIRST YEAR

	First Semester	Second Semester
Life and Teachings of Jesus	2	2
*Freshman English	3	3
Introductory College Algebra	3	
Mathematical Preparation for Physical Science (Course 8)		3
*General Chemistry	5	5
History of Western Civilization	3	3
Physical Education	½	½
	16½	16½

SECOND YEAR

Prophetic Interpretation (or other religion)	2	2
*General Physics	4	4
Psychology and Sociology	(3)	(3)
or		
Beginning Language	3	3
(Beginning language is not taken by those who have, as college entrance credits, two units of the chosen language. If the student intends to do advanced work toward research or scientific specialization, he should choose German as the language; if he intends to practice in an area where some other modern language has vocational utility, he may choose accordingly. Some schools of dentistry do not require language in college.)		
*Zoology	4	4
Quantitative Analysis	4	
Speech (or Literature)		2
Sculpture		2
Physical Education	½	½
	17½	17½

THIRD YEAR

*Organic Chemistry	4-5	4-5
Comparative Embryology	3	
Comparative Anatomy (Course 124)		4
American History and Institutions	3	3
(Satisfies California state requirement. This course or one in California history and constitution is, by state law, required by dental colleges in California.)		
Intermediate Language	3	3
Western World Literature (or Speech)	2	2
	15-16	16-17

*Prescribed by the Council on Dental Education of the American Dental Association, and to be included among the minimum total.

For recommendation to the School of Dentistry at the College of Medical Evangelists, a student should:

a. Maintain a satisfactory conduct and character rating.
b. Reach a minimum scholarship average of 2.5 in both science and non-science courses.
c. Make satisfactory grade in the Dental Aptitude Test.
d. Complete satisfactorily at least the minimum entrance requirements (marked with an asterisk above) and California requirements in constitution and government.

DIETETICS

An applicant for membership in the American Dietetic Association shall have completed 60 semester hours of college work from the four groups listed below, with not less than the minimum number of hours indicated for each group. All applicants shall have both courses listed in Group I (i.e., Basic Foods and Nutrition and Dietetics) which has a prerequisite of three courses from Group II).

	Semester Hours
Group I	8-10
Basic Foods Nutrition and Dietetics (prerequisite or concurrent registration: 3 courses from Group II)	
Group II	20-25
Inorganic Chemistry Organic Chemistry Human Physiology Physiological or Biological Chemistry Other Advanced Nutrition Courses	Bacteriology Food Chemistry Physics
Group III	12-20
Psychology Education Sociology	Economics Personnel Relations Anthropology
Group IV	12-25
Purchasing Accounting Organization and Management Cost Control	Experimental Foods Diet Therapy Quantity Cookery Institution Equipment

(See the Foods and Nutrition curriculum in the Home Economics section of the Bulletin.)

PRE-X-RAY TECHNIQUE

One year of college work with a total of 32 semester hours is ordinarily considered desirable preparation for X-ray technique.

The course of study must include college physics. It is also recommended that courses in chemistry, anatomy, and physiology be taken.

PUBLIC RELATIONS

Students interested in pursuing a career in public relations are advised to counsel with the Social Science Department chairman in regard to their curriculum. La Sierra College, as do the majority of colleges and universities, believes that a strong liberal arts background is basic to a successful career in public relations. With this in mind, the student will find himself taking courses in English, speech, journalism, news writing, psychology, sociology, and other disciplines in the social science area.

PREDENTAL HYGIENE

The two-year curriculum as outlined below has been carefully checked to make sure that it meets the requirements for entrance to the Dental Hygiene degree course as offered generally by schools of dentistry.

FIRST YEAR

	First Semester	Second Semester
Religion (1, 2; or 51, 52; or 71, 72)	2	2
Freshman English	3	3
Anatomy and Physiology	3	3
Zoology 15		4
Psychology 5	3	
Typewriting	2	
Introductory Chemistry 1-2	3	3
Physical Education	½	½
	16½	15½

SECOND YEAR

American History and Institutions	3	3
Speech	2	2
Microbiology or Bacteriology		4
Elementary Organic Chemistry	4	
Nutrition 99	2	
Sociology		3
Psychology 54		3
Secretarial Accounting	3	
Electives	2	1
Physical Education	½	½
	16½	16½

(Some schools of dentistry prescribe for entrance to this curriculum language in either high school or college. Some dental hygiene outlines do not require language; consult the registration adviser.)

PRENURSING

Below are the usual college freshman requirements for prenursing. In some schools of nursing sociology is recommended as a substitute for the course which is starred. Registrant will be advised according to the requirements of the particular school of nursing where entrance is planned for.

	First Semester	Second Semester
Religion	2	2
Introductory Chemistry	3	3
Freshman English	3	3
Anatomy and Physiology	3	3
*History of Nursing	2	
Microbiology		4
Psychology 5	3	
Elective		1
Physical Education	½	½
	16½	16½

PROFESSIONAL NURSING

La Sierra College and the College of Medical Evangelists are jointly offering a curriculum in Basic Professional Nursing leading to registration and a Bachelor of Science degree with a major in nursing. This cooperative plan between the institutions concerned makes possible the strength to be derived by drawing teaching personnel from the faculties of both institutions and by blending liberal arts courses on the La Sierra College campus with professional nursing education and clinical experience in hospital teaching facilities and health agencies.

The first year of this curriculum takes place for the most part on the La Sierra campus. During this year the student is introduced to nursing and resources for community health. Before the beginning of the sophomore year the student will need a brief summer term on the Loma Linda campus antecedent to the beginning of the second year (September of 1959). In the second and third years the students will be on the hospital campuses with the liberal arts subjects taught by La Sierra staff members.

At the end of the third academic year the student will have completed all the subjects and clinical experience required to sit for the State Board examinations for registration.

During the fourth year the student will have experience in public health nursing, advanced psychiatric nursing, and ward management. This year is integral with the first three as completing requirements for the Bachelor of Science with a major in nursing. The degree will be conferred by the College of Medical Evangelists.

First Year

(On the La Sierra Campus)

	First Semester	Second Semester
Freshman English	3	3
Religion (1, 2 or 3,4)	2	2
Psychology	3	
Sociology		3
Nutrition (99)	2	
Anatomy and Physiology (5)	5	
Microbiology (8)		3
Chemistry (3) (High school chemistry is a prerequisite.)		4
Introduction to Community Nursing		2
Physical Education	½	½
	15½	17½

A "Special Curriculums" Bulletin issued in the early summer gives more complete details of this cooperative program in Nursing Education. Copies will be available from the Admissions Office at La Sierra College or from the Dean of the School of Nursing at the College of Medical Evangelists, Loma Linda, California.

PRELAW

The legal profession is one of the most important and rewarding callings of modern life. Law schools are almost unanimous in requiring as entrance credits thorough liberal arts education (three years or a degree), with adequate courses in history, economics, sociology, political science, English, speech. Some require accounting. The Bachelor of Arts curriculum at La Sierra College meets the requirements. Specific advice will be given to any student as soon as he has selected the law school where he expects to enroll.

TWO-YEAR STENOGRAPHIC

	Semester Hours
Religion	6
Freshman English	6
General Psychology	3
Home Economics	3
American History and Institutions	6
Speech	2
Physical Education	2
Secretarial Accounting	3
Typewriting	4
Shorthand (optional)	16
Office Procedures	3
Business Machines	1
Indexing and Filing	1
Machine Transcription	1
Electives	7
	64

ENGINEERING

People trained in the various specializations into which engineering science is divided are currently in great demand and the demand is likely to continue. La Sierra has arranged a cooperative plan whereby the first three years of the chosen curriculum will be on the La Sierra campus; the final two years will be on the campus of a co-operating university in the area. On successful completion of the three-and-two pattern, the student will receive two degrees – a liberal arts degree from La Sierra College and an engineering degree from the co-operating university.

The three years at La Sierra should be patterned approximately as outlined here. At least three hours of Principles of Economics are required in all courses; this may be taken in summer school or compensated for by summer school credit. Four hours of literature and three hours of basic sociology are likewise required; these may also be taken in summer school or be included in the third year at the school of engineering.

FIRST YEAR

	First Semester	Second Semester
Religion (1, 2)	2	2
Freshman English (1-2)	3	3
General Chemistry (5-6)	5	5
Introductory Algebra (5)	3	
Trigonometry and Analytical Geometry (8)		3
History of Western Civilization (1, 2)	3	3
Physical Education (7, 8)	½	½
	16½	16½

If the student does not have two units of college entrance credits in a modern language, beginning language (German recommended) may be taken during the first year or in summer school and the student's program adjusted accordingly. Some schools of engineering do not require a foreign language.

SECOND YEAR

American History and Institutions (91, 92) (or intermediate language)	3	3
Summer school should compensate for the course not taken, although see the note above as to language.		
General Physics (51, 52)	4	4
Physics Problems (53, 54) (to accompany 51, 52)	1	1
Calculus I and II (77, 78)	4	4
Descriptive Geometry and Technical Drawing (41, 42)	2	2
Fundamentals of Speech (5, 6)	2	2
Health Principles (59)	2	
	18	16

THIRD YEAR

Religion (151, 152)	2	2
Introduction to Fine Arts (57, 58)	2	2
General Psychology		3
Statics (83)	3	
Calculus III (111) or Differential Equations (114)	3 or	3
Electives	6-9	6-9
	16	16

Electives will be chosen, in consultation with the engineering adviser, to meet needs in the area selected for specialization as indicated below:

FOR CIVIL ENGINEERING

Surveying	3 or	3

FOR CHEMICAL ENGINEERING

Physical Chemistry (155, 156)	4	4
Quantitative Analysis (51)	4	
Organic Chemistry (113, 114)	4	4

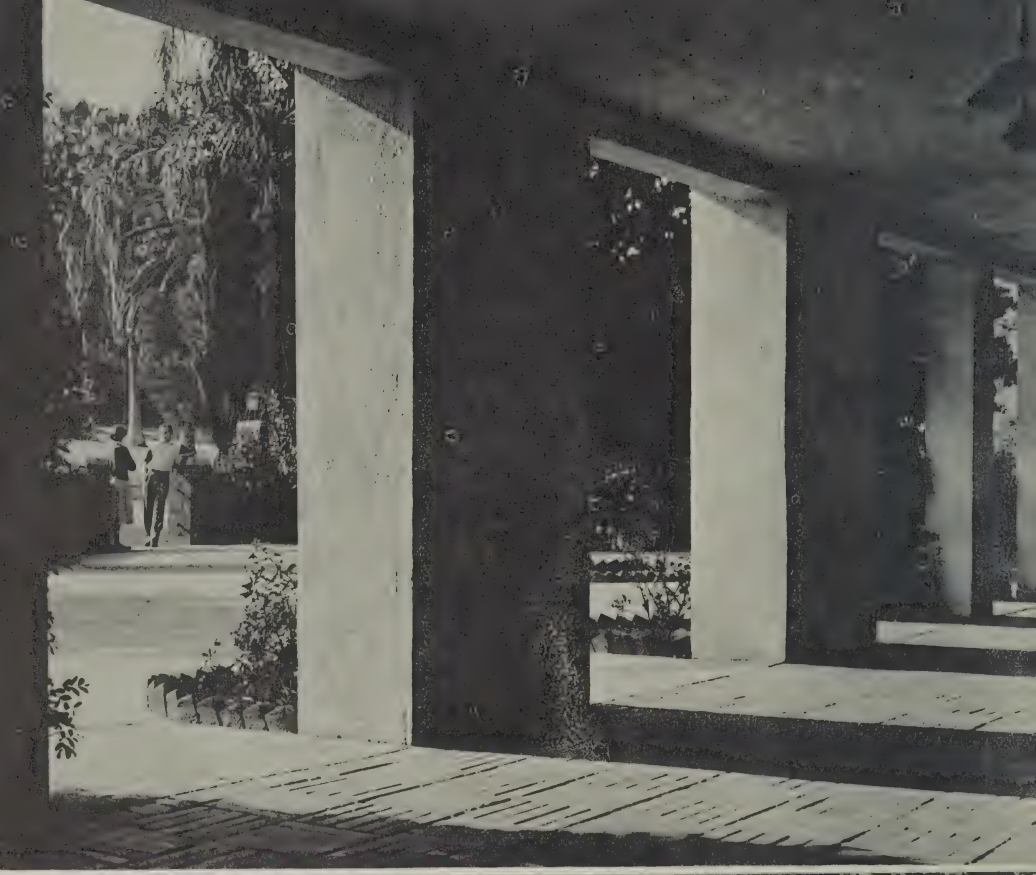
Note: Engineering Stoichiometry (3 hours), required by university in second year, may be taken there in place of Basic Physics III, which will be completed at LSC.

FOR ELECTRICAL ENGINEERING

Electricity and Magnetism (108)		4

FOR INDUSTRIAL ENGINEERING

Principles of Accounting (5, 6)	3	3
Business Law (56)		3



FINANCIAL INFORMATION

All charges, with the exception of board, are applicable throughout the school year. No refunds are granted during vacation periods. However, if a student leaves the campus for more than one week at a time he will not be charged the full amount of the minimum board.

SCHEDULE OF RATES AND CHARGES

At the time of registration all students are required to pay the cashier their guarantee deposit before beginning registration.

The guarantee deposit is $150.00 for resident (boarding) students and $75.00 for non-boarding, or day students. Students living in the college-owned residences will be required to pay one month's rent in advance. These deposits will be held in trust until the last month of the school year, or until the student leaves the college. Students registering after the regular registration will be required to pay a fee of $5.00. (See page 30.)

Each student who enrolls in one or more chemistry courses is required, in addition to the above, to purchase, at the time of enrollment, one breakage ticket, the price of which is $10.00; $5.00 breakage tickets are required in biology courses using breakable equipment. Should the ticket be consumed before the end of the course, a new one is to be purchased. The unused portion of a ticket is credited back to the student's account at the end of the course. The breakage ticket is drawn upon to pay for equipment which the student damages or destroys in his work.

Each student planning to live in a residence hall at the college must pay a $10 room deposit. This deposit will be held in reserve until two weeks after the student has checked out of the hall. If for any cause the student should be unable to attend school, the request for refund must be received not later than one month before the opening of school.

TUITION

All laboratory fees, all rentals (typewriter, piano, and organ), are included in the tuition.

Schedule of tuition charges per semester:

Credit Hours	Tuition	Credit Hours	Tuition
1	$ 25.00	10	270.00
2	50.00	11	292.50
3	75.00	12	302.50
4	120.00	13	315.00
5	150.00	14	322.50
6	180.00	15	330.00
7	202.50	16	337.50
8	225.00	Each additional hour above 16 hours	21.00
9	247.50		

The above tuition charges are payable in four semestral installments as follows: First semester, October 31, November 30, December 31, and January 31; second semester, February 29, March 31, April 30, and May 31. Tuition for summer school is charged at the beginning of each term. Statements are prepared each calendar month and are payable when presented.

Students living in the village or surrounding communities pay tuition on the same basis as dormitory students.

ROOM RENT

Gladwyn Hall and Mu Beta Kappa	$23.50 per month
Angwin Hall and Calkins Hall	24.50 per month
Special annex rooms in Angwin Hall and Calkins Hall	25.50 per month

The above charges are on the basis of two students in a room and include free laundry for all flat work. Laundry in addition to flat work will be charged for at nominal prices. No refund will be made if a student does not avail himself of the laundry services. All of the rooms in the residence halls are equipped with twin beds, twin closets, and hot and cold running water. The corner rooms in Angwin Hall and in Calkins annexes are equipped with full bathroom facilities.

If a student wishes to room alone, he may be permitted to do so, as long as rooms are available, at an extra charge of $5.00 a month.

Each student is furnished a key for which he signs when he occupies the room. No key deposit is charged. Unless the room key is returned to the dean and the room left in good order a charge as stated in the student Handbook will be made against the student and deducted from the room deposit.

Students may have a maximum of 200 watts of electricity in their rooms; any excess wattage will be charged extra.

The Health Service fee which is included in the tuition applies toward the expenses of maintaining a nursing staff at the college. It does not include doctor's fees, special prescriptions, prolonged nursing care, or physical therapy treatments.

If a student finds it necessary to receive hospitalization in the infirmary, a charge of $1.00 per day for its use will be made.

PRIVATE MUSIC AND SPEECH LESSONS

The fee for private lessons (half hour) is $37.50 per semester for one lesson a week; $57.50 per semester for two lessons a week. Single lessons are $3.00 each. No refunds are made for occasional absence, whether caused by sickness or other reasons. Lessons falling on holidays, field days, or vacations are not made up. Lessons missed through the fault of the instructor will be made up. When the lessons taken in a semester number less than 8, they will be charged for at the single lessons rate of $3.00. In addition to the private lesson fee there is a regular tuition charge for the amount of credit earned.

FEES

APPLICATION FEE:

A fee of $5 is required with the application from every new student. Students who have previously registered in the college or academy and have been continuous in attendance will not be required to pay the application fee. This fee is to pay for the checking of transcripts and recommendations.

MEDICAL EXAMINATIONS:

All new students and others who have been absent from the campus for two consecutive semesters are required to have completed physical examination forms on file at the college when they come to register. No one may begin registration until the medical blank has been approved.

SEMESTER FEES:

ASB Fees (per semester) 6.00
The Associated Student Body fee is charged to students carrying four or more semester hours. The fee includes ASB membership and one half of the subscription price to the student publications. Refunds are made only if the student discontinues all classes within two weeks of registration.

Lyceum 1.00
This fee provides the student with admission to all artist and lyceum numbers.

SPECIAL FEES:

Special examination	$ 3.00
Evaluation sheets for non-registrants	3.00
Late class change (after first two weeks)	1.00
OA English Special Fee	20.00
Speed Reading	20.00
Degree	5.00
Diploma — Professional	2.50
Late registration	5.00
Medical Aptitude Test	10.00
Reregistration Fee	3.00

Students taking music or typing *only* would pay the following rentals:

	Per Month
Typewriter, one period per day	$ 1.50
Music Instruments	1.50

Music Rentals:	Per Semester
Practice Room, one hour a day	$ 5.00
Practice Room, two hours a day	8.00
Pipe Organ, Estey, two hours a week	14.00
Pipe Organ, Wurlitzer, three hours a week	14.00

Single practice periods are charged as follows:	Per Hour
Estey Organ	$ .50
Wurlitzer Organ	.35

COLLEGE STORE

Books, school supplies, and stationery may be secured at the College Store. *All purchases are on a cash basis.* A deposit of $50 per semester on the student's account will be required of those who wish to purchase books and supplies on a bookstore requisition. Without this deposit bookstore requisitions will not be issued.

MISCELLANEOUS FINANCIAL INFORMATION

No student is allowed to draw cash on his account unless the business office has a written authorization from the person responsible for the account. All checks paying school expenses should be made out to the college. All checks for personal cash are to be made out to the students, not the college. Please do not combine money to be given to students with the check which pays the school bill.

Tuition charges are based upon the number of hours of college credit in the course for which the student has registered, as shown by the records in the office of the registrar and business office. The same tuition is charged whether the course is taken for credit or audit.

Vouchers must be obtained from the registrar, properly signed and returned to the registrar, for class changes, including courses dropped for which tuition rebates are desired. Such rebates will be effective at the end of the week in which the voucher, properly signed, is filed with the registrar. Rebates are not retroactive. Students who wish to discontinue school during a semester must file with the registrar a drop voucher covering all classes being dropped, in order to merit an honorable dismissal on the transcript of record.

Diplomas, transcripts of credits, and semester grades will not be issued until accounts with the college are fully paid.

One complete transcript of credits will be made upon request, free of charge. A fee of one dollar will be charged for each additional transcript.

Students transferring from other schools are asked to present statements to show that accounts with other schools have been paid or satisfactorily settled.

BOARD

Board is furnished on the cafeteria plan. The meals are served in a beautiful up-to-date dining room, which is equipped with the latest hygienic equipment obtainable.

The minimum charge for dormitory students per month for men is $28; for women, $23.

STUDENT BILLS

Money for the payment of accounts should be sent directly to the business office of the college and should be made payable to

La Sierra College. Student accounts are due on presentation and are past due after the 25th of the current month.

REFUNDS

The guarantee deposit will be credited to the account at the end of the school year, or whenever the student withdraws.

Rebates on residence hall expenses will be made only when the room is vacated and the key turned in to the dormitory dean.

The college reserves the right to withhold payment of any balance payable to a student for a period of two weeks after he leaves school in order to be certain that all charges and credits have been recorded on his account.

If a credit balance appears on the final statement, a refund will be mailed with the closing statement.

THE STUDENT BANK

Provision is made for students to deposit in the Student Bank in the business office of the college such money as they may wish to have on hand for books, school supplies, and personal expenses. This money the student may withdraw at any time without question, or as parent or guardian may designate, by signing the passbook.

LABOR FOR STUDENTS

It is especially stipulated that labor given to students is not paid for in cash, but all earnings are to be credited to the account of the student for tuition, fees, and resident expenses. Labor credits cannot be transferred to any person without written permission of the person having the credit. Students accepting employment in any department agree to the provisions as stated above.

SCHOLARSHIPS AND AIDS

MILITARY VETERANS

Veterans wishing information as to the benefits to which they are entitled and the procedure for obtaining these benefits may apply to the nearest office of the Veterans Administration. Veterans who were citizens of California at the time of induction may obtain additional aid from the California Veterans Welfare Board. Application forms may be obtained from the board office in Sacramento.

La Sierra College has been authorized to admit veterans of the Korean War under the Vocational Rehabilitation Program, Public Law 550, 82nd Congress, 1952.

Veterans wishing to attend school under the provisions of Public Law 550 should make application to the Veterans Administration. The Veterans Administration will send to the college a "Certificate for Education and Training" (Form 7-1993). This form must be received by the college before the veteran will be authorized to receive his benefits. Therefore, to avoid delay, the veteran should make application far enough in advance, enabling the Veterans Administration to process his application before the school term begins.

Veterans under Public Law 550 must pay the regular guarantee deposit at the time of registration and all expenses incurred thereafter because the Veterans Administration sends the benefits to the veterans and not directly to the school.

Veterans planning for training under the State of California Educational Institute plan should evidence their intention by presenting an "Authorization Certificate" from the State of California. Veterans who cannot furnish a certificate when registering must pay the regular guarantee deposit.

All veterans should plan to have sufficient funds to cover at least two months' living expenses when applying for veterans benefits. Personal accounts for board, room, and laundry must be paid each month as presented. The college cannot carry personal accounts in anticipation of governmental subsidies.

COLPORTEURS

Students who wish to sell Seventh-day Adventist literature will be awarded special scholarships which will be arranged between the publishers, the conferences, and the college.

ENROLMENT ANALYSIS, 1958-1959

Regular Semesters:	*Men*	*Women*	*Total*
Freshmen	206	211	417
Sophomores	108	76	184
Juniors	147	65	212
Seniors	58	25	83
Postgraduates	20	21	41
Special	4	11	15
Extension	7	26	33
	550	435	985

Summer Session, 1958:	*Men*	*Women*	*Total*
Freshmen	7	10	17
Sophomores	19	15	34
Juniors	26	40	66
Seniors	34	33	67
Postgraduates	15	9	24
Special	4	5	9
	105	112	217

GRADUATES OF 1958

BACHELOR OF ARTS

Stanley Donald Abrams
John Richard Anderson
John Russell Anderson
Luella Elizabeth Baker
Don L. Beglau
Jack Leonard Bennett
Inelda Arladell Bond
Charmay Luzette Bourdeau
William Howard Bowles
Charles Maynard Bowyer
Donald Olin Bray
Almon John Brewster
Brian Capon
Charline Frances Carr
Hugh Marvin Clark
Janice Marlene Cottrell
H. Neil Davidson
Dell Vernell Delker
Beverly Joyce Eng
Clifford L. Fischer
Gerald J. Ghelfi
Thomas Eugene Gibson, Jr.
Eldon Montgomery Gish
Lloyd Clifford Guthrie, Jr.
Walter Scott Hamerslough
John R. Hill
Richard Dallas Hunter
Derald Dean Jacobson
Robert Kandt
Sharan Anne Knight
Wilfried Helmut Hachizo Koehn
Roy M. Larsen
Andrew N. Lind
Duane Edmond Longfellow
Daniel Lopez Lopez
Edith Claire Morrison
Lawrence Eric Nelson
Shigeru Okada
Ronald Dean Osiek
Leo Santos Ranzolin
Robert Evan Reese
Lionel Eugene Rentschler
Radames Rodriguez
Mary Edith Rodriquez
Weldon David Schumacher
David George Small
Byron Thomas Song
Kennard Orville Stoll
Lloyd Ercell Stoll
John Takeshi Takekoshi
Lynette Elaine Tarr
Reed Wilton Thomas
John Louis Tilstra
John Lashier Tomlinson
Benjamin Albert Tupper
Franscisco Valdez
Donald Clifton Van Ornam
Esther Sylvia Wang
Kermit Earl Ward
Henry Allen Williams
Edward David Witherspoon
Robert Duane Wood
Alfred Harrison Worden, Jr.
Robert M. Zamora
Thomas John Zirkle

BACHELOR OF SCIENCE

Dortha G. Airey
Norma Mae Beegle
Alfred Lawrence Brown
Alice Erna Brown
Lydia R. Cadelinia
Gwendolyn Mae Case
Alice May Cashatt
James Berton Cashatt
Nona Bailey Cummings
Moira Newell-Dexter
Donald William Dorward
Jenith Lou Emehiser
Karen Lee Hanson
Vesta R. Harr
David Edward Heeb
Romilda Guthrie-Hummel
Marilyn Jean Kaps
Claire Mae Lang
Esther Lee
Glenn Ellinger Lewis
Elouise Clarice McKowen
Edna Hankins Nelson
Darlene Janet Neufeld
Roy Calvin Pitts
Elizabeth Graham Ramsey
Rodney Malcolm Redding
Audrey Fay Remboldt
Dorothy Mae Scantlin
Connie Lu Seery
Wayne Kazuhide Shiroma
Irene Charolette Silva
Verda Jean Vance
Raymond Lee Vipond

BACHELOR OF MUSIC EDUCATION

Pearl Ruth Dawson James Donald Hanson Donald Lewis Madison

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